



COAL MINING AND RECLAMATION PERMIT APPLICATION TO REVISE A PERMIT (ARP)

Issued To: AMERICAN ENERGY CORP
43521 Mayhugh Hill Rd.
Twp Hwy 88
Beallsville, OH 43716

Permit Number: D-1159
Application Number R-1159-10

Telephone: (740) 926-9152

Effective: 09/14/2007

Expires: 01/25/2008

ARP Type:

Revise location of PFL soil piles

The issuance of this ARP means only that the application to conduct a coal mining operation meets the requirements of Chapter 1513 of the Revised Code, and as such DOES NOT RELIEVE the operator of any obligation to meet other federal, state or local requirements.

This ARP is issued in accordance with and subject to the provisions, conditions, and limitations of Chapter 1513 of the Revised Code and Chapters 1501:13-1, 1501:13-3 through 1501:13-14 of the Administrative Code.

The approved water monitoring plan for this ARP is:

Quality: N/A

Quantity: N/A

Note: Any previous condition(s) imposed on this permit, or subsequent adjacent areas, also apply to this ARP unless noted otherwise.

Signature:

Chief, Mineral Resources Management

Date: 09/14/2007

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the division's "General Guidelines for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name **American Energy Corporation**
Address **43521 Mayhugh Hill Road, Twp. Hwy. 88**
City **Beallsville** State **OH** Zip **43716**
Telephone Number **740-926-9152**

RECEIVED

JAN 19 2007

DIVISION OF GENERAL
RESOURCES MANAGEMENT

2. Permit Number **D-1159**
3. Section of mining and reclamation to be revised:
Part 2, Page 17, Item 2, Attachment 15
Part 3, Page 24, Item D(1)
4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc:

This proposed revision is a request to relocate the prime farmland area. See attached letter dated October 12, 2006 and accompanying information and map.

5. Describe in detail the reason for requesting the revision:

Coal waste was deposited on a portion of the prime farmland area mandating that it be relocated to provide the same acreage post-mining that existed pre-mining.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? ☒ Yes, ☐ No.
(Note: refer to paragraph (E)(2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

If "yes," complete the following items 7 through 9.

7. In the space below, give the name and address of the newspaper in which the public notice is to be published.



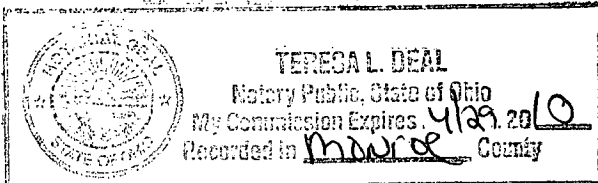
8. In the space below, give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)
9. In the space below, give the name and address of the public office where this application is to be filed for public viewing.

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Print Name RYAN M. MURRAY Title GENERAL MANAGER & SUPERINTENDENT

Signature Ryan M. Murray Date 01/12/07

Sworn before me and subscribed in my presence this 12th day of Jan, 2007



Terecal L. Deal
Notary Public

(For Division Use Only)

This application for renewal is hereby ☒ issued, ☐ disapproved.

Scott R. Kell
Chief, Division of Mineral Resources Management

9-14-07
Date

43521 Mayhugh Hill Road
Twp.Hwy.88
Beallsville, Ohio 43716

American Energy Corporation

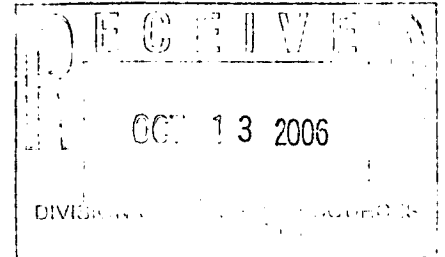
Chief
Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Rd., Bldg. H-3
Columbus, Ohio 6693

Re: Notice of Violation No. 21860

Dear Chief:

Please accept this letter as a response to the referenced NOV. Based on test pits and surveys performed by American Energy Corporation personnel it has been determined that adequate topsoil and subsoil exist on site to restore the PFL area. The following sequence of events will clarify what has occurred on the subject area:

1. Permit D-1159 (containing 11.2 acres of prime farmland) was issued on January 26, 1998.
2. The #12 coal seam was removed from portions of the area and coal waste was deposited in the #12 pit via an approved ARP.
3. The "A" horizon soil was removed from the PFL area and placed in topsoil piles and a small portion of the "B" soil was removed and placed in piles. The majority of the "B" soil remained in place as confirmed by the results of test pits included herein.
4. Portions of the PFL area are being used as a parking area and stone has been placed on the "B" soil.
5. Portions of the PFL area have equipment and structure temporarily stored on the "B" soil.
6. The PFL area will be relocated and reconstructed in the approximate location shown on the attached map when it is determined that all mining activities are completed in this area.
7. Extra care will be undertaken to minimize impacts to the "B" soil when the stone, equipment and structures are removed to insure that the "B" thickness will be restored to its premining condition.
8. The "A" soil will remain in the stockpile until the area is ready for reclamation. At the appropriate time, the relocated PFL area will be restored to the premining condition as specified in the original permit.
9. Should any soil thickness deficiencies be encountered, additional soil is available on portions of D-425 or D-1159 to supplement what is available on site to insure that adequate PFL soil thickness is restored.
10. The PFL area was removed from the year six area previously reported to be reclaimed due to the reaffectment by equipment and material storage.



October 12, 2006

Page 2

In summary, based on current on site conditions, the "A" horizon has been removed and is stored in piles. The majority of the "B" soil remains in place and will remain in that position until reclamation is undertaken on the area. During reclamation, the relocated PFL area will be staked and on site in place "B" soil will be utilized or if inadequate thickness, subsoil can be imported from other portions of D-1059 and D-425. The A horizon will then be placed on the B to insure that the proper thickness of A & B soil are restored.

Yours truly,



Fred M. Blumling
Environmental Engineer

Enclosure:

Soil Test Pit Cross Section (1 through 8)

Soil Investigation Report

Photos-Soil Test Pit Cross Section (1 through 8)

43521 Mayhugh Hill Road
Twp.Hwy.88
Beallsville, Ohio 43716
Phone: (740) 926-9152
FAX: (740) 926-9138

American Energy Corporation

July 25, 2007

Ms. Treva J. Knasel
ODNR, Division of Mineral Resources Mgt.
2045 Morse Road, Bldg. H-3
Columbus, Ohio 43229-6693

RECEIVED

JUL 25 2007

DIVISION OF MINERAL
RESOURCES MANAGEMENT

Re: American Energy Corp
ARP #R -1159-10

Dear Ms. Knasel:

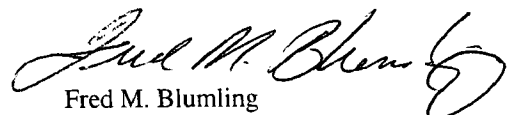
The following is submitted in response to your revision letter for the referenced project dated June 29, 2007.

The "A" horizon was removed and redistributed in selected areas when this area was originally reported to be reclaimed. Subsequently the area was "re-disturbed" and topsoil was removed from selected areas. As noted in the soil investigation narrative contained in the original ARP submittal, Test pits 1, 2, 3 and 8 were in original ground and had not been significantly disturbed by the original disturbance or had merely had parking lot stone applied on top of the "A" horizon.

Regardless of when and how the "A" horizon was removed, there is adequate topsoil and subsoil on site to reclaim the PFL area as required in the approved plan when this area is reported to be reclaimed.

Yours truly,

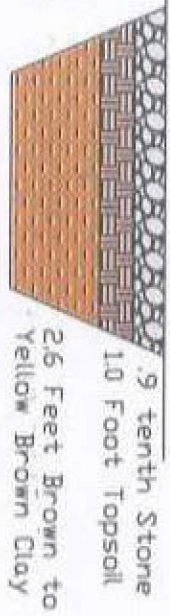
American Energy Corp.


Fred M. Blumling
Environmental Engineer

OPERATOR

AEC 10086

Soil Test Pit No. 1



Soil Test Pit No. 2



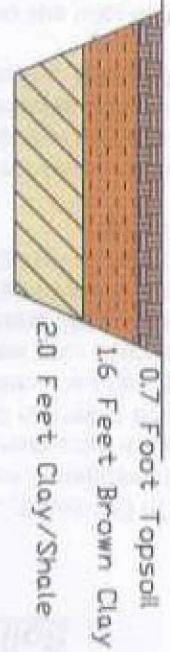
Soil Test Pit No. 3



Soil Test Pit No. 4



Soil Test Pit No. 5



Soil Test Pit No. 6



Soil Test Pit No. 7



Soil Test Pit No. 8



Soil Investigation Permit D -- 1159 Prime Farmland

On October 3, 2006 America energy Corp. conducted a soil's investigation on permit D-1159. Investigation was to determine soils, which was designated as prime farmland. Eight soil test pits were excavated to approximately 42-48 inches deep, 2 feet wide by 5 feet long. Test pits 1, 2, 3, and 8 were in original ground. Test pits 1, 2 were excavated adjacent to the access road. Test pit 3 was excavated near the entrance to the site. Test pit 4 was excavated in the centerline of the access road leading toward the storage area for belt structures. Test pits 5, 6 and 7 were excavated around the perimeter of the site. Test pit 8, was excavated near the tree line, adjacent to the township road in natural ground. It should be noted that in test pit 6 shows 2.8 feet of brown to light brown clay and hitting a rock-bottom of sandstone, which was not excavated through.

The excavation was performed with a 580 case backhoe. The location of the test pits were obtained with a Thales Pro Mark three (GPS Unit). The work started around 9:00 a.m. and finished approximately 12:30 p.m. The weather was cool and overcast during the excavation. The total surface area covered with the test pits was approximately 6.4 acres.

The total soil overall was very consistent in the locations excavated. We found that the top soil ranged between zero and 1 foot. The sub soil between 32 inches to 40 inches was mainly brown to yellow brown clay material. In comparison with the soil survey of Belmont County, Ohio, the overall soil pits could be compared to the classification of WhB, (Wellston) soils.

Fred M. Blumling
Environmental Engineer

Soil Test Pit Number 1

Prime Farmland Permit # 1159

LOCATION: Edge of Access Road

Classification: .9 tenth Stone
1.0 Foot Topsoil
2.6 Feet Brown to Yellow Brown
Clay



OPERATION

Soil Test Pit Number 2

Prime Farmland Permit # 1159

LOCATION: Edge of Access Road

Classification: .5 tenth Stone
1.0 Foot Topsoil
3.0 Feet Brown to Yellow Brown
Clay



Soil Test Pit Number 3

Prime Farmland Permit # 1159

LOCATION: Edge of Access Road
at entrance

Classification: .0 tenth Stone
1.0 Foot Topsoil
3.0 Feet Brown to Light Brown
Clay/ Organics



Soil Test Pit Number 4

Prime Farmland Permit # 1159

LOCATION: Access Rd For Belt
Structure

Classification: .8 tenth Stone
0.0 Foot Topsoil
3.2 Feet Brown - Yellow Brown
Clay



Test Pit Number 5

Prime Farmland Permit # 1159

LOCATION: In Farmland Area
Disturbed

Classification: 0.0 tenth Stone
0.7 Foot Topsoil
1.6 Feet Brown Clay
2.0 Feet Clay / Shale



Soil Test Pit Number 6

Prime Farmland Permit # 1159

LOCATION: In Farmland Area

Classification: .0 tenth Stone
0 Foot Topsoil
2.8 Feet Brown to Light Brown
Clay Hit hard Rock/



Soil Test Pit Number 7

Prime Farmland Permit # 1159

LOCATION: In Farmland Area

Classification: .0 tenth Stone
0..0 Foot Topsoil
4.4 Feet Brown to Light Brown
Clay



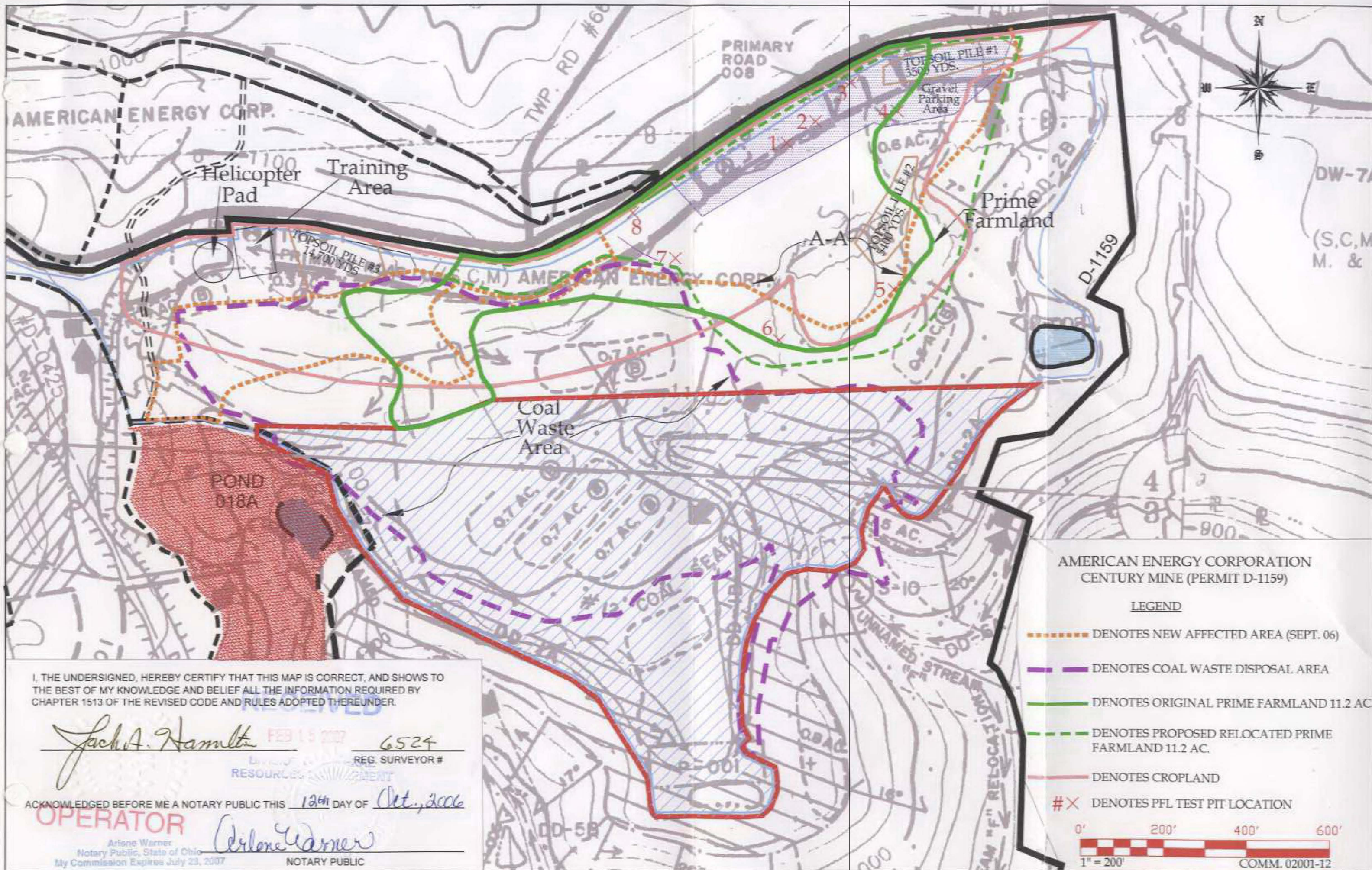
Soil Test Pit Number 8

Prime Farmland Permit # 1159

LOCATION: In Farmland Area
original ground

Classification: .0 tenth Stone
0.6 Foot Topsoil
3.8 Feet Brown to Yellow Brown
Clay (Dry)





I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT, AND SHOWS TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL THE INFORMATION REQUIRED BY CHAPTER 1513 OF THE REVISED CODE AND RULES ADOPTED THEREUNDER.

Jack A. Hamilt
FEB 15 2007
6524
REG. SURVEYOR #

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC THIS 12th DAY OF Oct., 2006

OPERATOR

Arlene Warner
Notary Public, State of Ohio
My Commission Expires July 23, 2007

NOTARY PUBLIC

AMERICAN ENERGY CORPORATION
CENTURY MINE (PERMIT D-1159)

LEGEND

- DENOTES NEW AFFECTED AREA (SEPT. 06)
- DENOTES COAL WASTE DISPOSAL AREA
- DENOTES ORIGINAL PRIME FARMLAND 11.2 AC.
- DENOTES PROPOSED RELOCATED PRIME FARMLAND 11.2 AC.
- DENOTES CROPLAND
- #X DENOTES PFL TEST PIT LOCATION

0' 200' 400' 600'
1" = 200' COMM. 02001-12

**OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT**

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the division's "General Guidelines for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name **American Energy Corporation**
Address **43521 Mayhugh Hill Road, Twp. Hwy. 88**
City **Beallsville** State **OH** Zip **43716**
Telephone Number **740-926-9152**
2. Permit Number **D-1159**
3. Section of mining and reclamation to be revised:
Part 2, Page 17, Item 2, Attachment 15
Part 3, Page 24, Item D(1)
4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc:

This proposed revision is a request to relocate the prime farmland area. See attached letter dated October 12, 2006 and accompanying information and map.
5. Describe in detail the reason for requesting the revision:

Coal waste was deposited on a portion of the prime farmland area mandating that it be relocated to provide the same acreage post-mining that existed pre-mining.
6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? ☐ Yes, ☐ No.
(Note: refer to paragraph (E)(2) of 1501:13-04-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

If "yes," complete the following items 7 through 9.
7. In the space below, give the name and address of the newspaper in which the public notice is to be published.

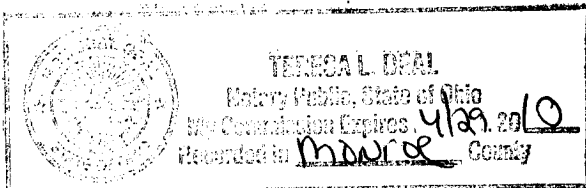
8. In the space below, give the text of the public notice that is to be published. (Include the information required by paragraph (A)(1) of 1501:13-05-01 of the Ohio Administrative Code.)
9. In the space below, give the name and address of the public office where this application is to be filed for public viewing.

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my information and belief.

Print Name RYAN M. MURRAY Title GENERAL MANAGER & SUPERINTENDENT

Signature Ryan M. Murray Date 01/12/07

Sworn before me and subscribed in my presence this 12th day of Jan, 2007



Terecal D. Deal
Notary Public

(For Division Use Only)

This application for renewal is hereby ☐ issued, ☐ disapproved.

Chief, Division of Mineral Resources Management

Date

Min
copy.
1159
Permit
Prime
Farmland

43521 Mayhugh Hill Road
Twp. Hwy. 88
Beallsville, Ohio 43716

American Energy Corporation

October 12, 2006

Chief
Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Rd., Bldg. H-3
Columbus, Ohio 6693

Re: Notice of Violation No. 21860

Dear Chief:

Please accept this letter as a response to the referenced NOV. Based on test pits and surveys performed by American Energy Corporation personnel it has been determined that adequate topsoil and subsoil exist on site to restore the PFL area. The following sequence of events will clarify what has occurred on the subject area:

1. Permit D-1159 (containing 11.2 acres of prime farmland) was issued on January 26, 1998.
2. The #12 coal seam was removed from portions of the area and coal waste was deposited in the #12 pit via an approved ARP.
3. The "A" horizon soil was removed from the PFL area and placed in topsoil piles and a small portion of the "B" soil was removed and placed in piles. The majority of the "B" soil remained in place as confirmed by the results of test pits included herein.
4. Portions of the PFL area are being used as a parking area and stone has been placed on the "B" soil.
5. Portions of the PFL area have equipment and structure temporarily stored on the "B" soil.
6. The PFL area will be relocated and reconstructed in the approximate location shown on the attached map when it is determined that all mining activities are completed in this area.
7. Extra care will be undertaken to minimize impacts to the "B" soil when the stone, equipment and structures are removed to insure that the "B" thickness will be restored to its premining condition.
8. The "A" soil will remain in the stockpile until the area is ready for reclamation. At the appropriate time, the relocated PFL area will be restored to the premining condition as specified in the original permit.
9. Should any soil thickness deficiencies be encountered, additional soil is available on portions of D-425 or D-1159 to supplement what is available on site to insure that adequate PFL soil thickness is restored.
10. The PFL area was removed from the year six area previously reported to be reclaimed due to the reaffectedment by equipment and material storage.

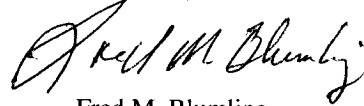
.....

October 12, 2006

Page 2

In summary, based on current on site conditions, the "A" horizon has been removed and is stored in piles. The majority of the "B" soil remains in place and will remain in that position until reclamation is undertaken on the area. During reclamation, the relocated PFL area will be staked and on site in place "B" soil will be utilized or if inadequate thickness, subsoil can be imported from other portions of D-1059 and D-425. The A horizon will then be placed on the B to insure that the proper thickness of A & B soil are restored.

Yours truly,



Fred M. Blumling
Environmental Engineer

Enclosure:

Soil Test Pit Cross Section (1 through 8)

Soil Investigation Report

Photos-Soil Test Pit Cross Section (1 through 8)

AEC 10101

Soil Test Pit Number 1

Prime Farmland Permit # 1159

LOCATION: Edge of Access Road

Classification: .9 tenth Stone
1.0 Foot Topsoil
2.6 Feet Brown to Yellow Brown
Clay



Soil Test Pit Number 2

Prime Farmland Permit # 1159

LOCATION: Edge of Access Road

Classification: .5 tenth Stone
1.0 Foot Topsoil
3.0 Feet Brown to Yellow Brown
Clay



Soil Test Pit Number 3

Prime Farmland Permit # 1159

LOCATION: Edge of Access Road
at entrance

Classification: .0 tenth Stone
1.0 Foot Topsoil
3.0 Feet Brown to Light Brown
Clay/ Organics



Soil Test Pit Number 4

Prime Farmland Permit # 1159

LOCATION: Access Rd For Belt
Structure

Classification:
.8 tenth Stone
0.0 Foot Topsoil
3.2 Feet Brown - Yellow Brown
Clay



Test Pit Number 5

Prime Farmland Permit # 1159

LOCATION: In Farmland Area
Disturbed

Classification: 0.0 tenth Stone
0.7 Foot Topsoil
1.6 Feet Brown Clay
2.0 Feet Clay / Shale



Soil Test Pit Number 6

Prime Farmland Permit # 1159

LOCATION: In Farmland Area

Classification: . 0 tenth Stone
0 Foot Topsoil
2.8 Feet Brown to Light Brown
Clay Hit hard Rock/



Soil Test Pit Number 7

Prime Farmland Permit # 1159

LOCATION: In Farmland Area

Classification: .0 tenth Stone
0..0 Foot Topsoil
4.4 Feet Brown to Light Brown
Clay



Soil Test Pit Number 8

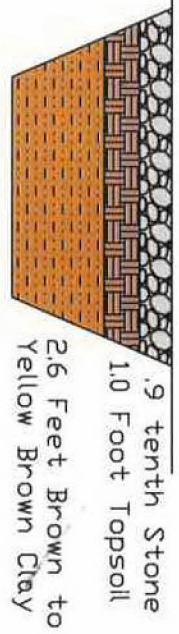
Prime Farmland Permit # 1159

LOCATION: In Farmland Area
original ground

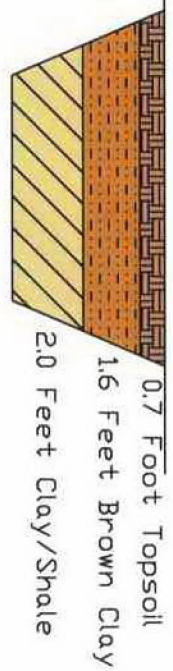
Classification: .0 tenth Stone
0.6 Foot Topsoil
3.8 Feet Brown to Yellow Brown
Clay (Dry)



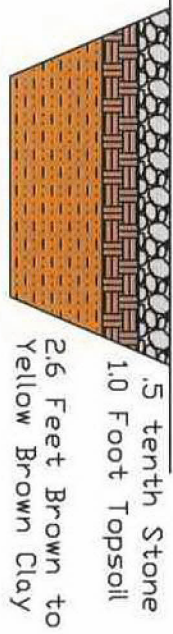
Soil Test Pit No. 1



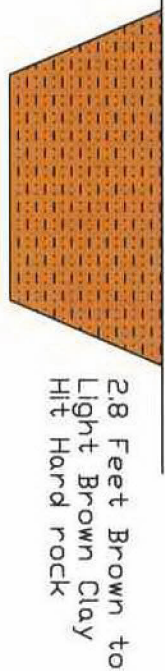
Soil Test Pit No. 5



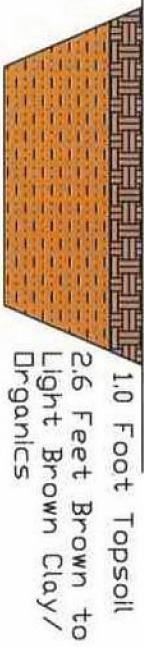
Soil Test Pit No. 2



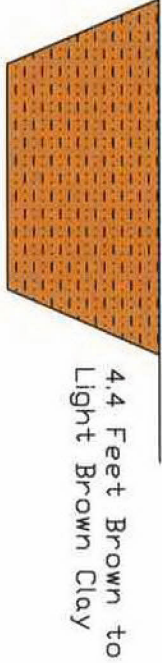
Soil Test Pit No. 6



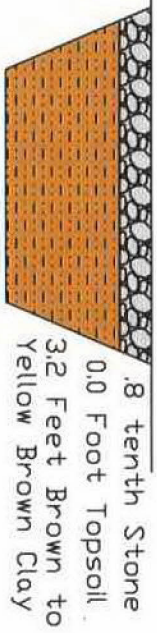
Soil Test Pit No. 3



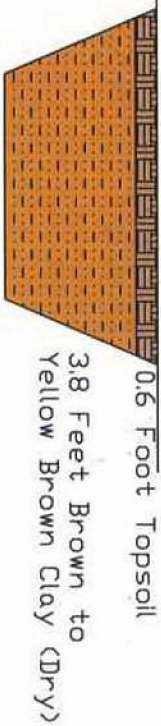
Soil Test Pit No. 7

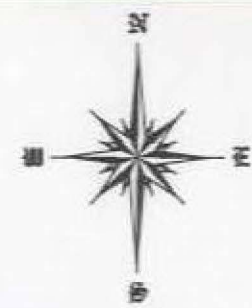
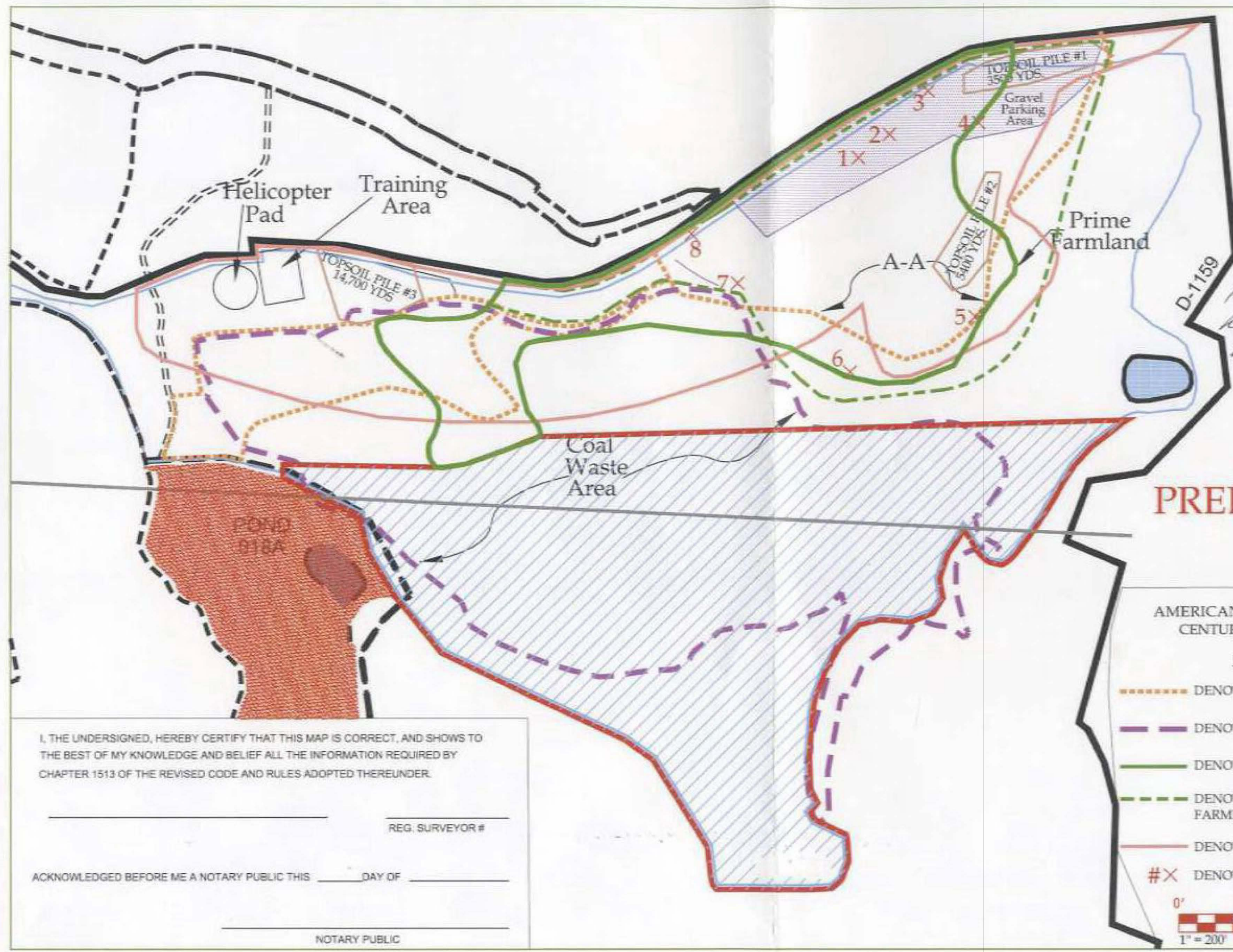


Soil Test Pit No. 4



Soil Test Pit No. 8





10/11/06
 This map is be revised
 by Stck. I will get the
 revised Dwg. He will email
 back my copy.

PRELIMINARY

AMERICAN ENERGY CORPORATION
 CENTURY MINE (PERMIT D-1159)

LEGEND

- DENOTES NEW AFFECTED AREA (SEPT. 06)
- DENOTES COAL WASTE DISPOSAL AREA
- DENOTES ORIGINAL PRIME FARMLAND 11.2 AC.
- DENOTES PROPOSED RELOCATED PRIME FARMLAND 11.2 AC.
- DENOTES CROPLAND
- #X DENOTES PFL TEST PIT LOCATION



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT, AND SHOWS TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL THE INFORMATION REQUIRED BY CHAPTER 1513 OF THE REVISED CODE AND RULES ADOPTED THEREUNDER.

REG. SURVEYOR #

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC THIS DAY OF

NOTARY PUBLIC

October 11, 2006

Chief
Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Rd., Bldg. H-3
Columbus, Ohio 6693

Re: Notice of Violation No. 21860

Dear Chief:

Please accept this letter as a response to the referenced NOV. Based on test pits and surveys performed by American Energy Corporation personnel it has been determined that adequate topsoil and subsoil exist on site to restore the PFL area. The following sequence of events will clarify what has occurred on the subject area:

1. Permit D-1159 (containing 11.2 acres of prime farmland) was issued on January 26, 1998.
2. The #12 coal seam was removed from portions of the area and coal waste was deposited in the #12 pit via an approved ARP.
3. The "A" horizon soil was removed from the PFL area and placed in topsoil piles and a small portion of the "B" soil was removed and placed in piles. The majority of the "B" soil remained in place as confirmed by the results of test pits included herein.
4. Portions of the PFL area are being used as a parking area and stone has been placed on the "B" soil.
5. Portions of the PFL area have equipment and structure temporarily stored on the "B" soil.
6. The PFL area will be relocated and reconstructed in the approximate location shown on the attached map when it is determined that all mining activities are completed in this area.
7. Extra care will be undertaken to minimize impacts to the "B" soil when the stone, equipment and structures are removed to insure that the "B" thickness will be restored to its premining condition.
8. The "A" soil will remain in the stockpile until the area is ready for reclamation. At the appropriate time, the relocated PFL area will be restored to the premining condition as specified in the original permit.

9. Should any soil thickness deficiencies be encountered, additional soil is available on portions of D-425 or D-1159 to supplement what is available on site to insure that adequate PFL soil thickness is restored.
10. The PFL area was removed from the year six area previously reported to be reclaimed due to the re-affectment by equipment and material storage.

In summary, based on current on site conditions, the "A" horizon has been removed and is stored in piles. The majority of the "B" soil remains in place and will remain in that position until reclamation is undertaken on the area. During reclamation, the relocated PFL area will be staked and on site in place "B" soil will be utilized or if inadequate thickness, subsoil can be imported from other portions of D-1059 and D-425. The A horizon will then be placed on the B to insure that the proper thickness of A & B soil are restored.

Yours truly,

Fred M. Blumling
Environmental Engineer

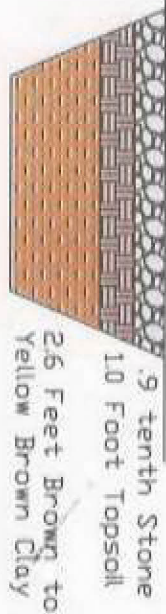
Enclosure:

Soil Test Pit Cross Section (1 through 8)

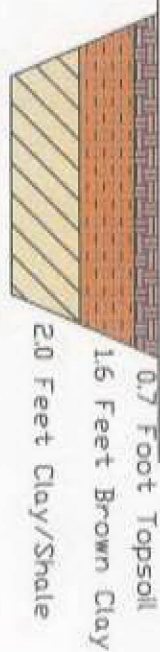
Soil Investigation Report

Photos-Soil Test Pit Cross Section (1 through 8)

Soil Test Pit No. 1



Soil Test Pit No. 5



Soil Test Pit No. 2



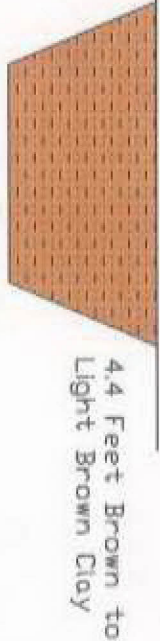
Soil Test Pit No. 6



Soil Test Pit No. 3



Soil Test Pit No. 7



Soil Test Pit No. 4



Soil Test Pit No. 8



Soil Investigation Permit D -- 1159 Prime Farmland

On October 3, 2006 America energy Corp. conducted a soil's investigation on permit D-1159. Investigation was to determine soils, which was designated as prime farmland. Eight soil test pits were excavated to approximately 42-48 inches deep, 2 feet wide by 5 feet long. Test pits 1, 2, 3, and 8 were in original ground. Test pits 1, 2 were excavated adjacent to the access road. Test pit 3 was excavated near the entrance to the site. Test pit 4 was excavated in the centerline of the access road leading toward the storage area for belt structures. Test pits 5, 6 and 7 were excavated around the perimeter of the site. Test pit 8, was excavated near the tree line, adjacent to the township road in natural ground. It should be noted that in test pit 6 shows 2.8 feet of brown to light brown clay and hitting a rock-bottom of sandstone, which was not excavated through.

The excavation was performed with a 580 case backhoe. The location of the test pits were obtained with a Thales Pro Mark three (GPS Unit). The work started around 9:00 a.m. and finished approximately 12:30 p.m. The weather was cool and overcast during the excavation. The total surface area covered with the test pits was approximately 6.4 acres.

The total soil overall was very consistent in the locations excavated. We found that the top soil ranged between zero and 1 foot. The sub soil between 32 inches to 40 inches was mainly brown to yellow brown clay material. In comparison with the soil survey of Belmont County, Ohio, the overall soil pits could be compared to the classification of WhB, (Wellston) soils.

Fred M. Blumling
Environmental Engineer

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND RECLAMATION

APPLICATION TO REVISE A COAL MINING PERMIT

Note: Refer to the Division's "General Guidelines for Processing ARPs" and "Requirements for Specific Types of Common ARPs" for guidance on submitting and processing ARPs.

1. Applicant's Name AMERICAN ENERGY CORPORATION

Address 43521 MAYHUGH HILL ROAD

City BEALLSVILLE State OHIO Zip 43716

Telephone No. 740 - 926 - 9152

2. Permit No. D-1159 .

3. Section of mining and reclamation plan to be revised:

PART 2, PAGE 17, ITEM 2, ATTACHMENT 15, ITEM 4

4. Describe in detail the proposed revision and submit any necessary drawings, plans, maps, etc.:

THIS PROPOSED REVISION IS TO CHANGE THE THICKNESS OF "A" HORIZON MATERIAL TO BE REPLACED FROM 12 (TWELVE) INCHES TO 7 (SEVEN) INCHES. SEE ATTACHED ADDENDUM TO ATTACHMENT 15, ITEM 1 AND ADDENDUM TO ATTACHMENT 15, ITEM 4 OF THE ORIGINAL PERMIT.

5. Describe in detail the reason for requesting the revision:

THE TWELVE INCHES SPECIFIED IN THE APPROVED PERMIT IS IN ERROR. THE WhB SOIL IS LISTED AS ABOUT 7 INCHES THICK ON THE NRCS REPORTS CONTAINED IN THE PERMIT AND OBVIOUSLY 12 INCHES CANNOT BE REPLACED WHEN THERE WAS ONLY 7 ORIGINALLY.

6. Will this revision constitute a significant alteration from the mining and reclamation operations contemplated in the original permit? ____ Yes, ☒ No.
(Note: refer to paragraph (E) (2) of 1501 : 13-4-06 of the Ohio Administrative Code to determine if a revision is deemed significant.)

If "yes", complete the following items 7 through 9.

7. In the space below give the name and address of the newspaper in which the public notice is to be published.

N/A

8. In the space below give the text of the public notice that is to be published. (Include the information required by paragraph (A) (1) of 1501 : 13-05-01 of the Ohio Administrative Code.)

N/A

9. In the space below give the name and address of the public office where this application is to be filed for public viewing.

N/A

I, the undersigned, a responsible official of the applicant, do hereby verify the information contained in this revision request is true and correct to the best of my knowledge and belief.

Robert D. Moore

Print Name

November 18, 2002

Date

[Signature]
Signature

President

Title

Sworn before me and subscribed in my presence this 18th day of November 20 02.



BARBARA L. RUSH
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 9-01-04

[Signature]
Notary Public

FOR DIVISION USE ONLY

This request is hereby _____

Chief, Division of Mines and Reclamation

Date

PRIME FARMLAND DESCRIPTION

{Original undisturbed soil profile}

WmB-- Westmoreland silt loam, 3 to 8 percent slopes.

This soil has a brown, friable silt loam surface layer {A Horizon} about 8 inches thick. The subsoil {B Horizon} is about 27 inches thick. The upper 20 inches is brown and dark yellowish brown, friable silt loam and firm clay loam. The lower 7 inches is yellowish brown, firm channery clay loam.

PRIME FARMLAND DESCRIPTION

(Original undisturbed soil profile)

WhB -- Wellston silt loam, 3 to 8 percent slopes.

This soil has a brown friable silt loam surface layer (A Horizon) about 7 inches thick. The subsoil (B Horizon) is about 40 inches thick. The upper 20 inches is brown, friable silt loam. The lower 20 inches is yellowish brown and strong brown firm loam. Weathered siltstone bedrock is about 59 inches.

PRIME FARMLAND DESCRIPTION

(Original undisturbed soil profile)

WkB -- Westmore silt loam, 3 to 8 percent slopes.

This soil has brown, friable silt loam surface layer (A Horizon) about 8 inches thick. The subsoil (B Horizon) is about 33 inches thick. The upper 17 inches is yellowish brown, friable silt loam and silty clay loam. The lower 16 inches is olive brown, mottled, firm clay. Weathered shale bedrock is at about 50 inches.

SOIL RECONSTRUCTION

DURING BACKFILLING OPERATIONS WHEN THE AREA IS NEARLY READY FOR GRADING, THE SURVEY CREW WILL STAKE AN AREA OF EQUAL SIZE TO THE ORIGINAL PRIME FARMLAND UNITS, UTILIZING THE SAME EQUIPMENT AS FOR REMOVAL OPERATIONS THE FOREMAN WILL REPLACE THE STOCKPILED HORIZONS IN THEIR PROPER SEQUENCE AND DEPTHS TO REESTABLISH THE PRIME FARMLAND ACREAGE. TRAVEL ACROSS THE PILES WILL BE LIMITED TO THAT WHICH IS ABSOLUTELY NECESSARY DURING REPLACEMENT OF THE SOILS. WORK ON REPLACEMENT OF PRIME FARMLAND SOIL WILL OCCUR WITHIN SOIL MOISTURE AND TEMPERATURE RANGES THAT WILL MINIMIZE COMPACTION. IF THE MOISTURE CONTENT OF THE SOIL IS SUCH THAT IT GLISTENS OR FORMS A COHESIVE BALL OR RIBBON WHEN ROLLED BETWEEN THE THUMB AND FOREFINGERS IT IS TOO MOIST FOR WORKING. RECONSTRUCTION WILL OCCUR WHEN THESE CONDITIONS DO NOT EXIST.

THE MINIMUM DEPTH OF SOIL AND SOIL MATERIAL TO BE RECONSTRUCTED FOR PRIME FARMLAND SHALL BE FORTY-EIGHT INCHES.

THE MATERIAL FROM "B", OR "B" AND "C", WILL FIRST BE REPLACED IN SUCH A MANNER AS TO AVOID EXCESS COMPACTION OF OVERBURDEN AT A UNIFORM THICKNESS NOT LESS THAN FORTY-EIGHT INCHES.

THE MATERIAL FROM THE "A" HORIZON WILL BE REPLACED ON TOP THE "B" AT A UNIFORM THICKNESS NOT LESS THAN **SEVEN** INCHES. THIS THICKNESS RESTORATION, COMBINED WITH THE INSTALLATION OF PROPER ARTIFICIAL DRAINAGE, FERTILIZER AND LIME APPLICATION AS DETERMINED BY LABORATORY ANALYSIS AND PROPER MANAGEMENT PRACTICES WILL CREATE A FINAL SOIL HAVING AN EQUAL OR GREATER PRODUCTIVE CAPACITY THAN EXISTED IN THE SOIL BEFORE MINING .

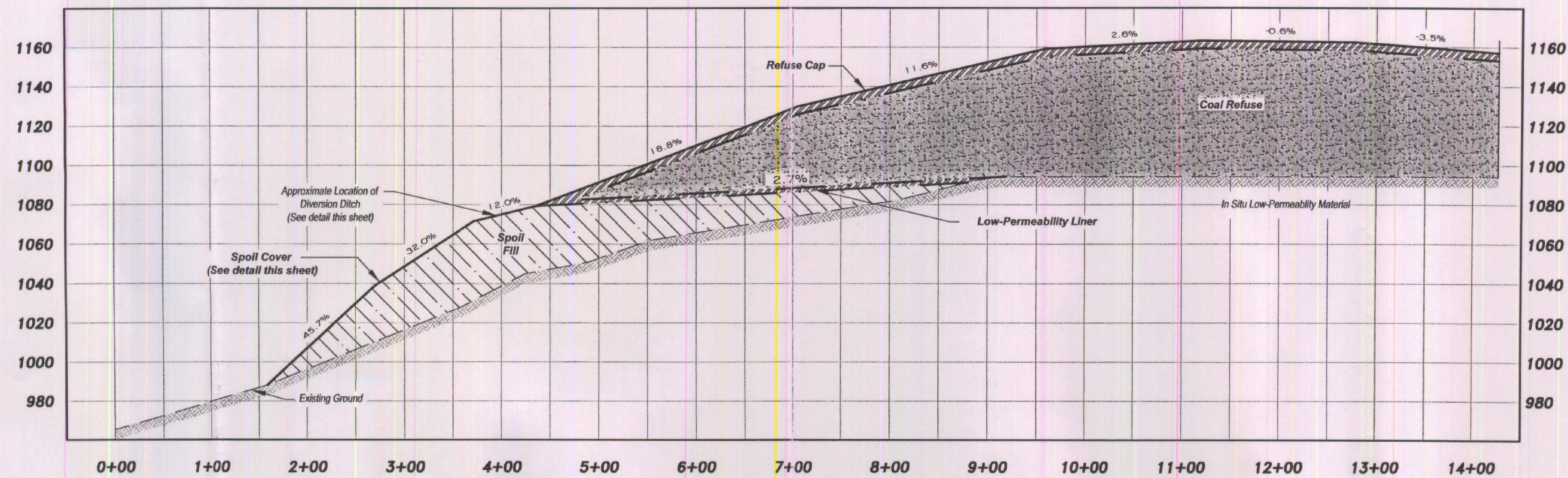
BY SEPARATELY REMOVING, STOCKPILING AND REPLACING THE "A" AND "B" HORIZONS THE TEXTURE OF THE REPLACED SOILS WILL BE WITHIN THE RANGES OF THE UNMINED SOILS. THE REACTION OF THE REPLACED SOILS WILL BE WITHIN THE RANGES OF THE UNMINED SOILS BY TAKING SOIL TEST TO DETERMINE THE LIME RATES TO BE APPLIED TO THE REPLACED SOIL.

EXISTING ARTIFICIAL DRAINAGE WILL BE RE-ESTABLISHED SUBSEQUENT TO MINING. DRAINAGE IMPROVEMENTS WILL BE EQUIVALENT TO WHAT EXISTED PRIOR TO MINING.

THE PRIME FARMLAND SOIL AREA WILL BE RESTORED TO ALLOW FOR POSITIVE SURFACE DRAINAGE AFTER FINAL SETTTLING OCCURS. THE RECONSTRUCTED SOIL WILL HAVE AN AVERAGE SLOPE PERCENTAGE WITHIN THE SLOPE RANGE OF THE UNMINED PRIME FARMLAND MAP UNIT.

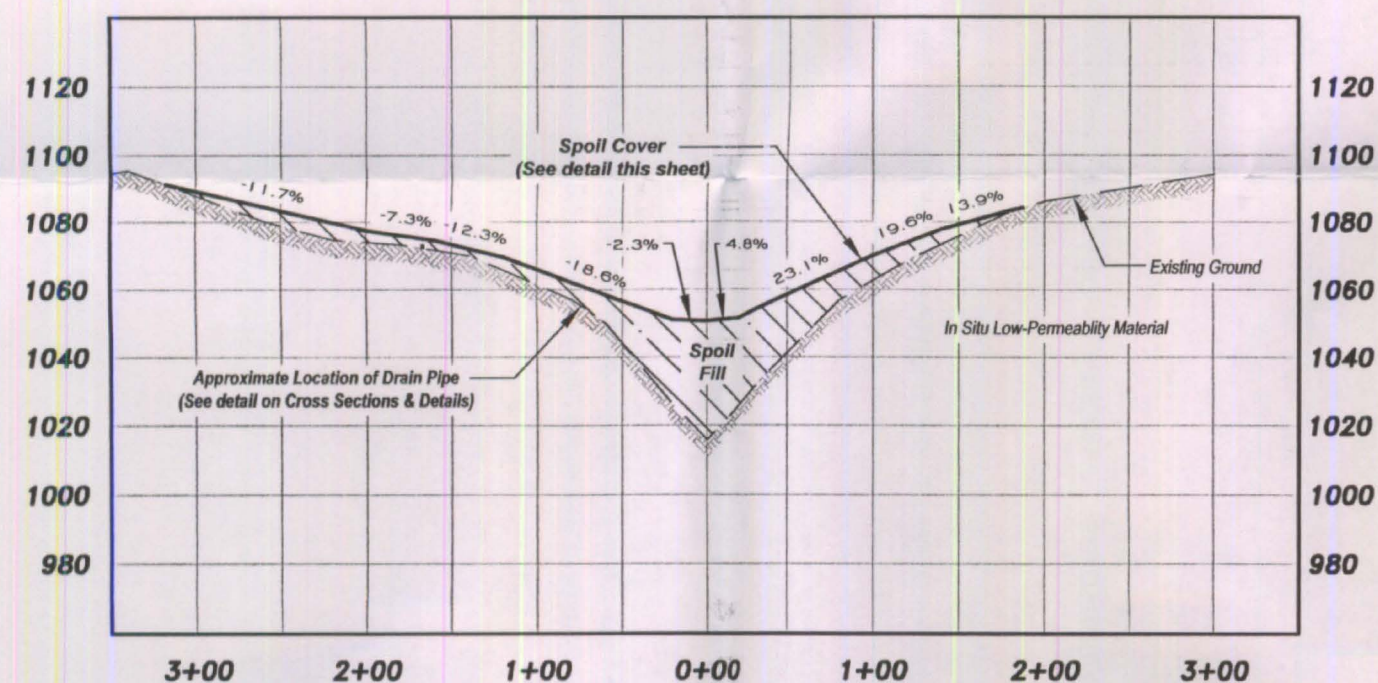
IN ORDER TO REDUCE COMPACTION EFFECTS WHICH MAY HAVE OCCURRED DURING THE REPLACEMENT OPERATIONS, ADDITIONAL CONDITIONING OF THE "A" AND "B" HORIZON SOILS IS UNDERTAKEN. A SUBSOILER IS USED TO LOOSEN THE SOILS. THE SUBSOILER IS PULLED BY A DUAL-TIRED AGRICULTURAL TRACTOR. THE "A" HORIZON SOILS ARE CONDITIONED AFTER REPLACEMENT BY NORMAL AGRICULTURAL SEED BED PREPARATION. POROSITY OF THE SOILS AFTER RECONDITIONING SHALL PERMIT PENETRATION OF ROOTS.

SEEDING, MULCHING AND OTHER EROSION CONTROL MEASURES SHALL BE COMPLETED AS SOON AS WEATHER CONDITIONS PERMIT AFTER REPLACEMENT OF TOPSOIL. SEE ADDENDUM TO ATTACHMENT 15, ITEM 4, SOIL REVEGETATION.



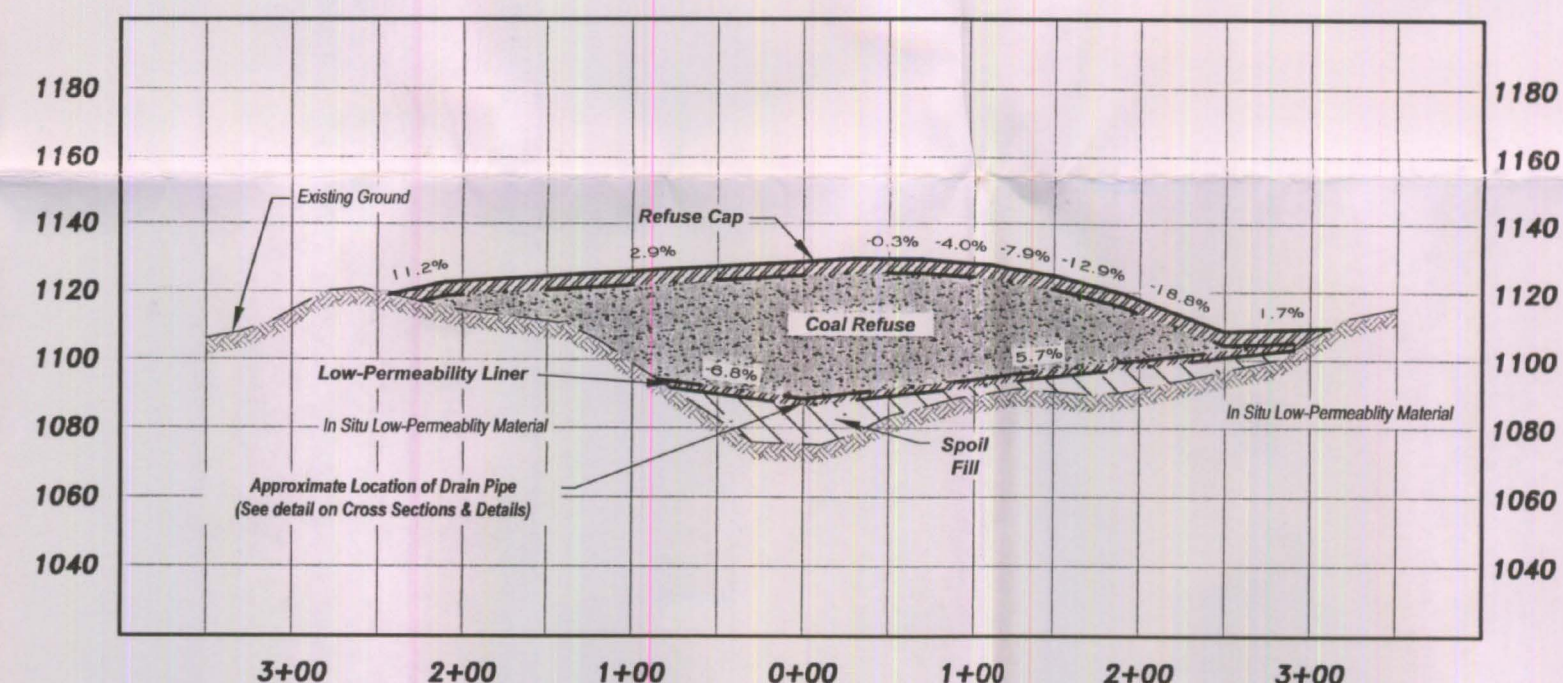
SPOIL FILL & COAL WASTE PROFILE H-H'

Scale: 1" = 100' Horizontal
1" = 50' Vertical



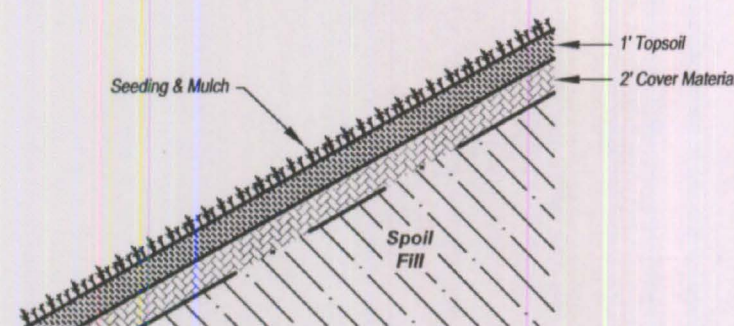
CROSS SECTION STATION 3+00

Scale: 1" = 100' Horizontal
1" = 50' Vertical

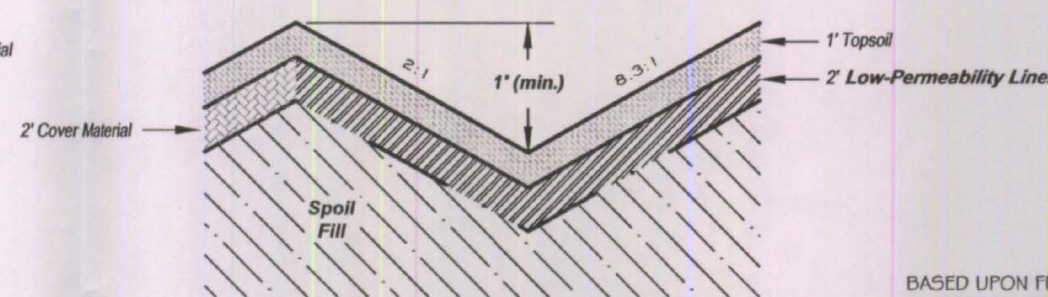


CROSS SECTION STATION 7+00

Scale: 1" = 100' Horizontal
1" = 50' Vertical



SPOIL FILL COVER
Typical Detail
N.T.S.



DIVERSION DITCH COVER
Typical Detail
N.T.S.

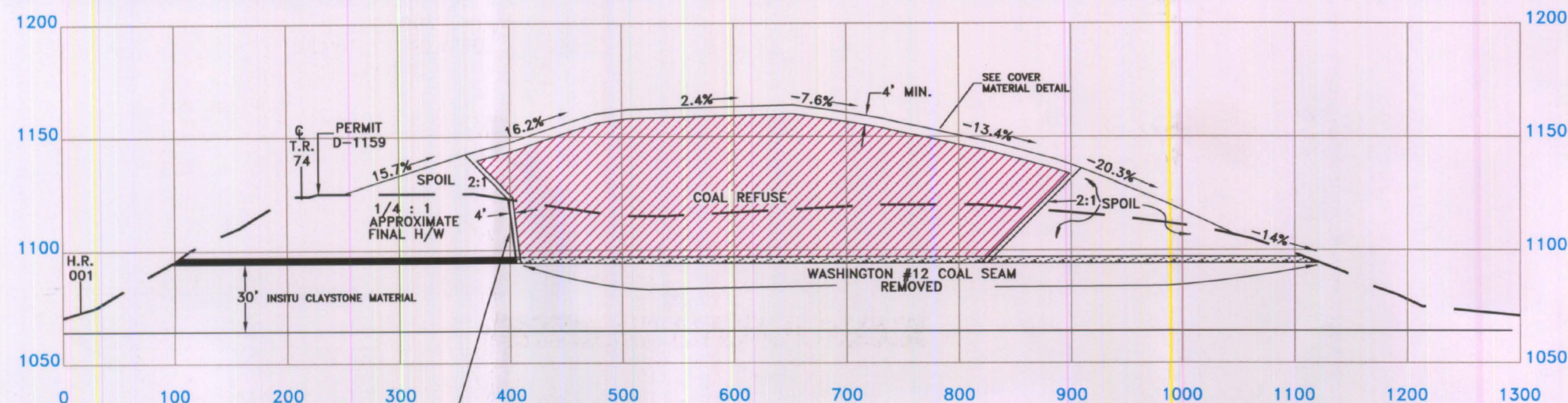
BASED UPON FIELD OBSERVATIONS MADE UNDER MY SUPERVISION ON AUGUST 6, 2003 AND SEPTEMBER 1, 2003 AND UPON INFORMATION PROVIDED BY THE MINE OPERATOR, I CERTIFY THAT THE VALLEY FILL HAS BEEN CONSTRUCTED AS SHOWN ON THIS DRAWING.

Donald M. Brafford
REGISTERED ENGINEER

9.16.03
DATE

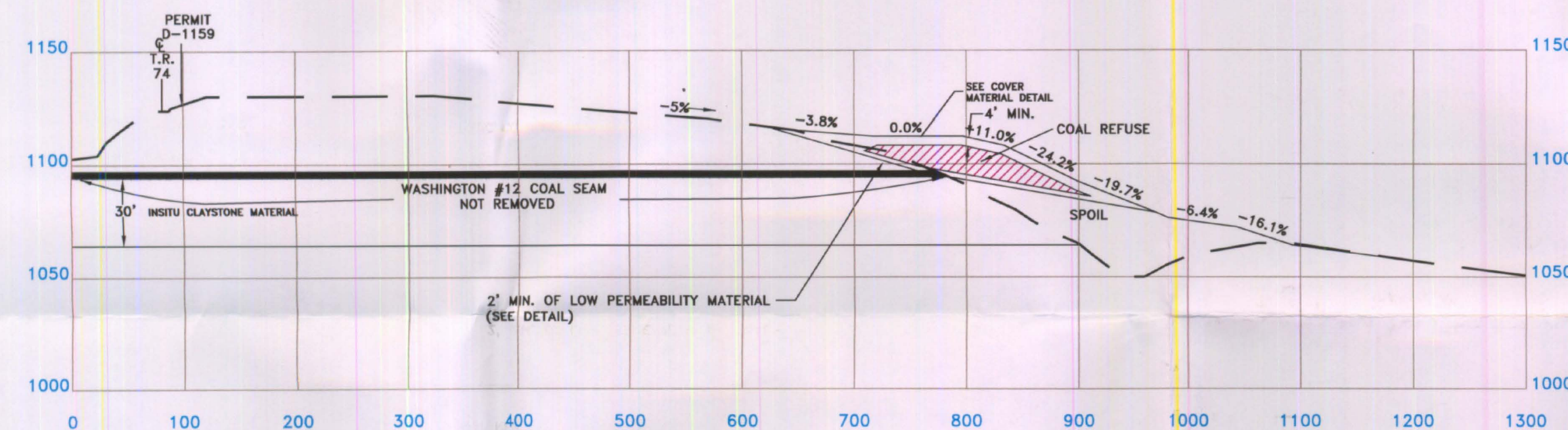


OPERATOR	
Addendum To A.R.P., Item 4	
SPOIL FILL/COAL WASTE PROFILES & CROSS SECTIONS	
Applicant: AMERICAN ENERGY CORPORATION	
Refuse Disposal in the #12 Pit	
Township: WAYNE	County: BELMONT
Section: 3, 4	Township/Range: T-6, R-5
Date: 08/28/03	Date Revised: Comm #02001-22
342 High St., Box 471 Flushing, Ohio 43977 Ph: (740) 968-4947 Fax: (740) 968-4225 e-mail: hamilton@1st.net www.hamiltonandassoc.com	



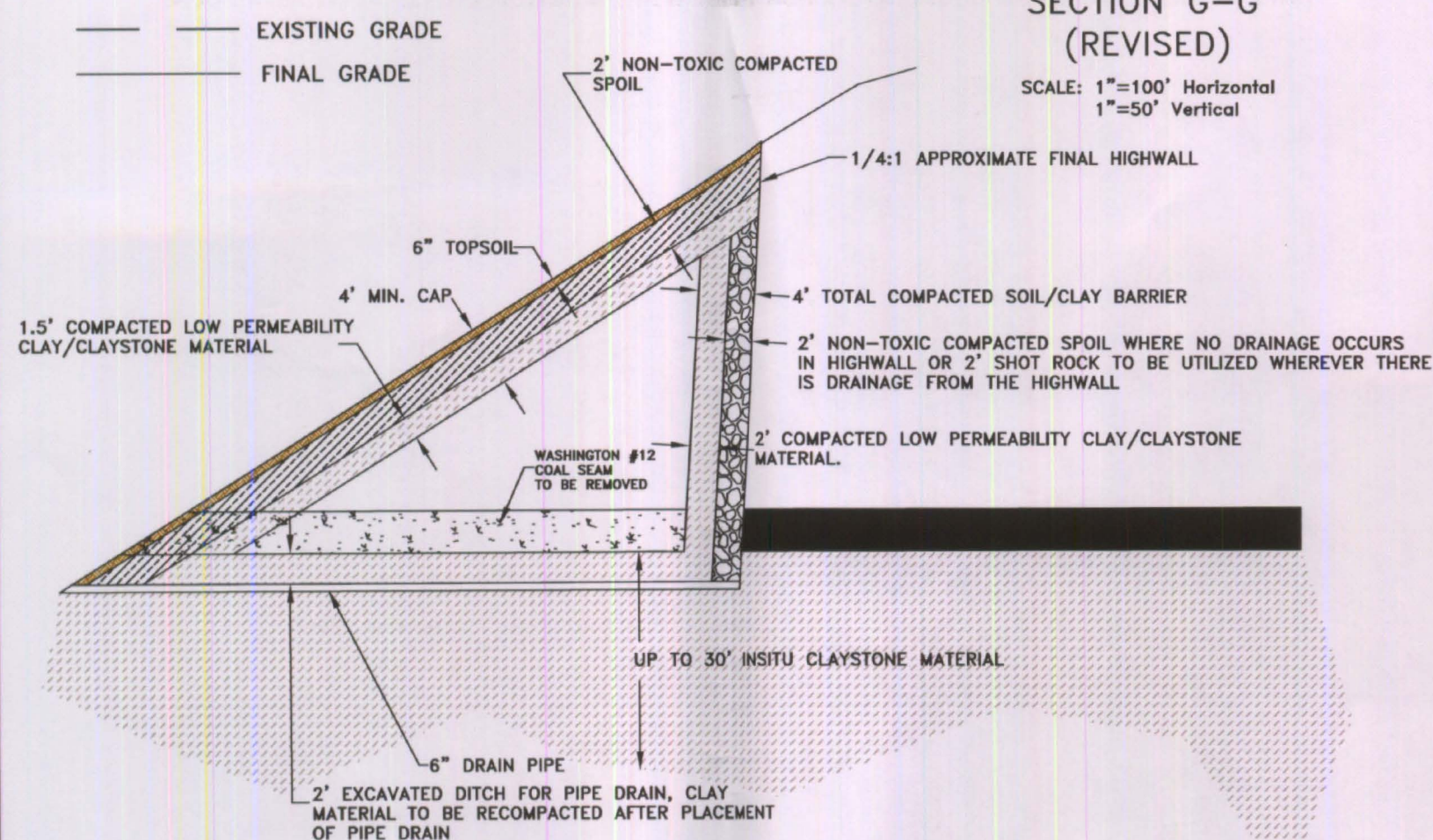
SECTION F-F'
(REVISED)

SCALE: 1"=100' Horizontal
1"=50' Vertical



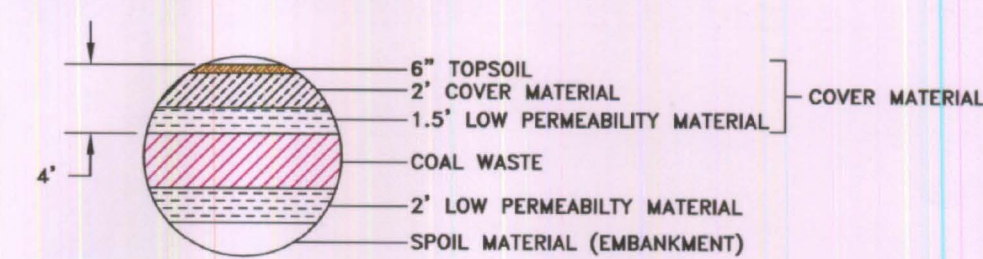
SECTION G-G'
(REVISED)

SCALE: 1"=100' Horizontal
1"=50' Vertical



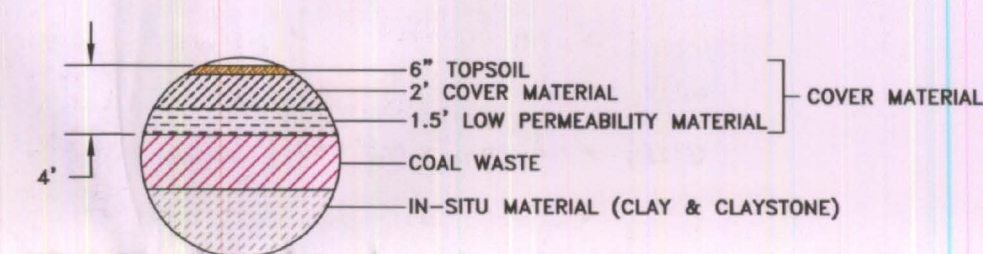
(TYPICAL)
DETAIL OF SEALED
REFUSE DISPOSAL AREA
SCALE: 1" = 10'

DETAIL OF MATERIAL PLACEMENT
(ABOVE SPOIL EMBANKMENT)

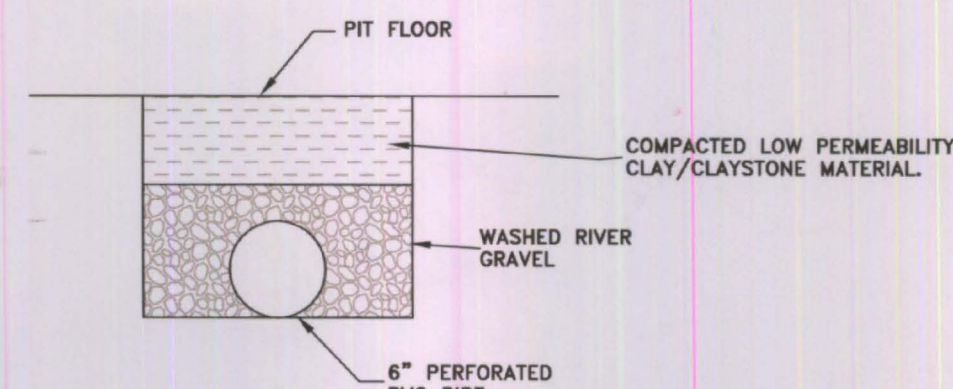


Not to Scale

DETAIL OF MATERIAL PLACEMENT
(AREAS OTHER THAN EMBANKMENT)



Not to Scale



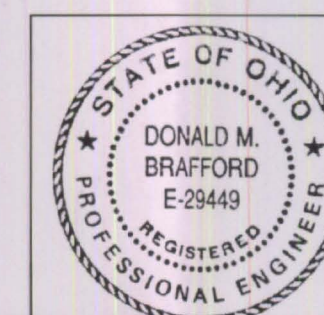
TYPICAL DETAIL
OF DRAIN PIPE
NOT TO SCALE

NOTE:
APPROXIMATE LOCATION AND CONFIGURATION OF COAL WASTE
IS BASED ON FIELD SURVEY AND VERBAL STATEMENTS
PROVIDED BY BENNO, INC. FIELD REPRESENTATIVE.

BASED UPON FIELD OBSERVATIONS MADE UNDER MY SUPERVISION ON AUGUST 6, 2003
AND SEPTEMBER 1, 2003, AND UPON INFORMATION PROVIDED BY THE MINE OPERATOR, I
CERTIFY THAT THE VALLEY FILL HAS BEEN CONSTRUCTED AS SHOWN ON THIS DRAWING.

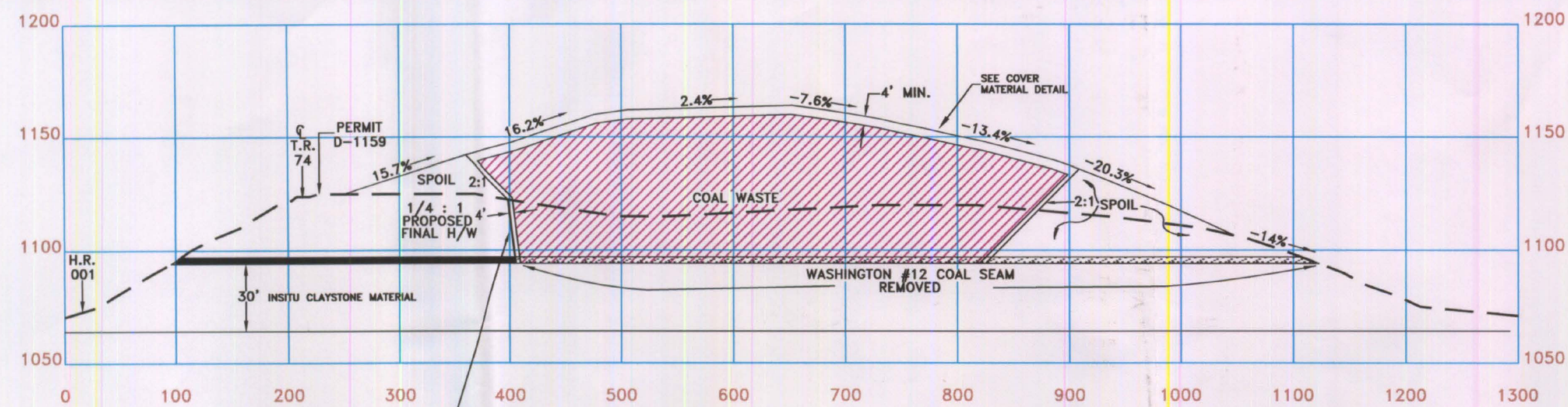
Donald M. Brafford
REGISTERED ENGINEER

9-17-03
DATE

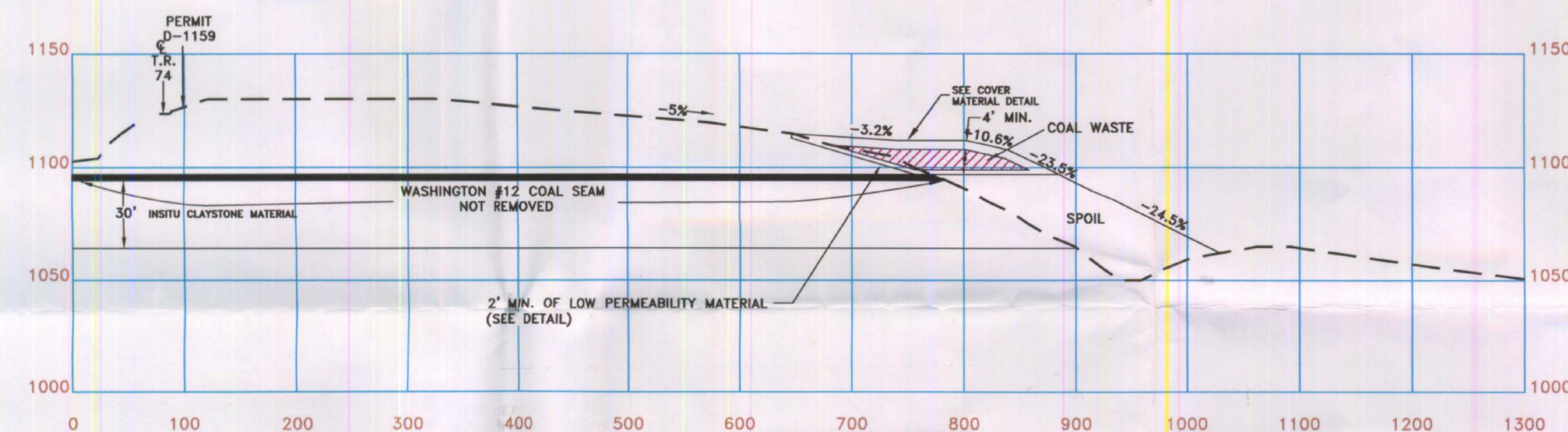


Addendum To A.R.P., Item 4 CROSS SECTIONS & DETAILS			
Applicant: AMERICAN ENERGY CORPORATION			
Refuse Disposal in the #12 Pit			
Township: WAYNE	County: BELMONT		
Section: 3, 4	Township/Range: T-6, R-5		
Date: 08/28/03	Date Revised:	Comm #02001-22	
342 High St., Box 471 Flushing, Ohio 43977 Ph: (740) 968-4947 Fax: (740) 968-4225 e-mail: hamilton@1st.net www.hamiltonandassoc.com			

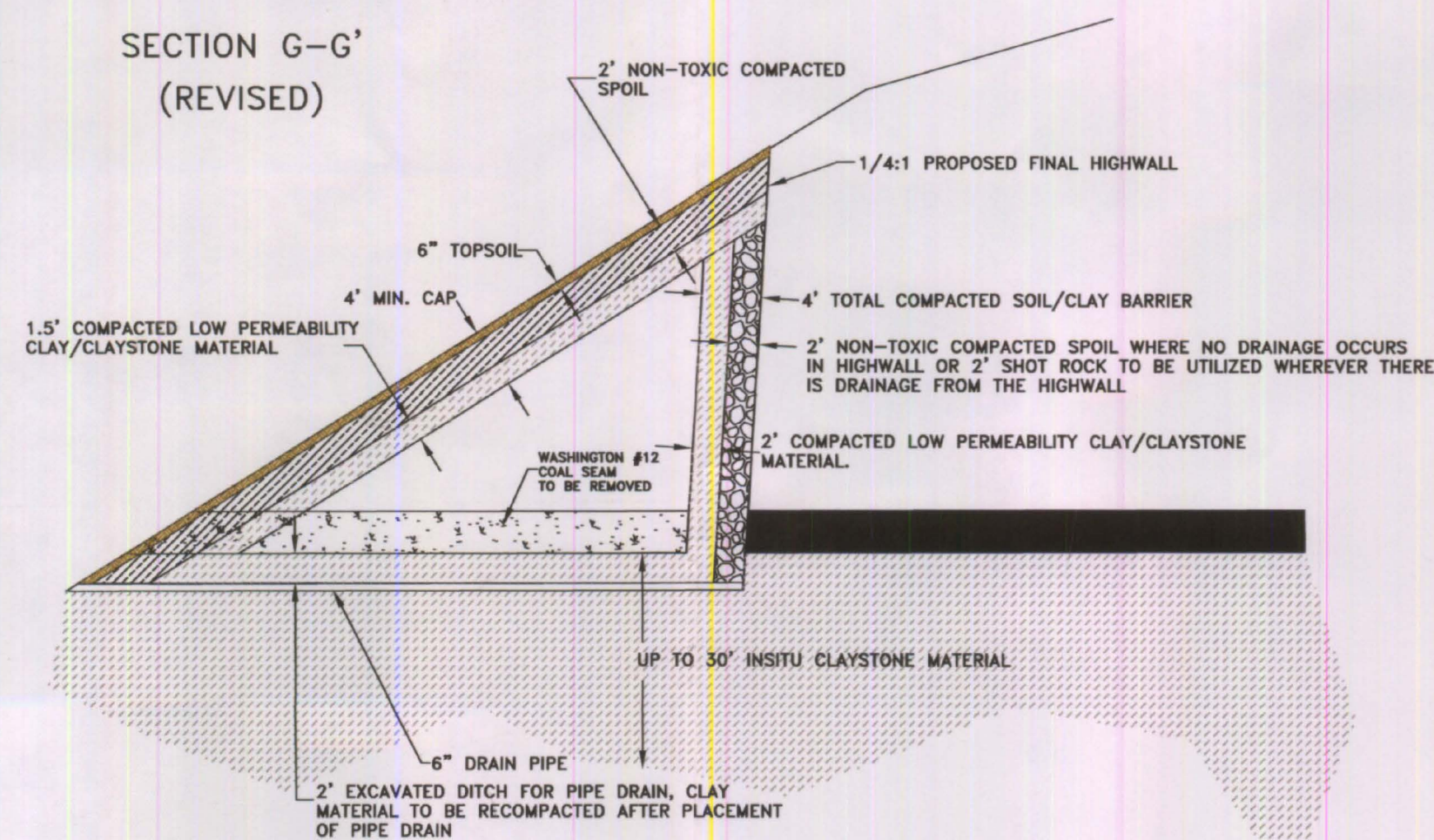
OPERATOR



SECTION F-F'
(REVISED)



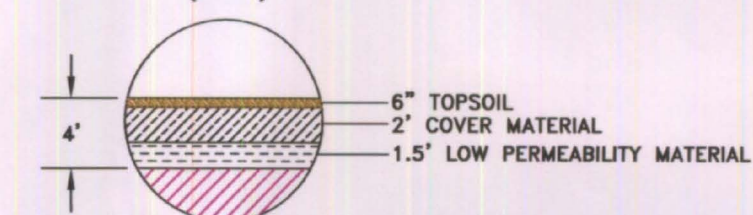
SECTION G-G'
(REVISED)



(TYPICAL)
DETAIL OF SEALED
REFUSE DISPOSAL AREA
SCALE: 1" = 10'

— — — EXISTING GRADE
— — — FINAL GRADE

DETAIL OF
COVER MATERIAL
(CAP)



SCALE: 1" = 10'

NOTE:
APPROXIMATE LOCATION AND CONFIGURATION OF COAL WASTE
IS BASED ON FIELD SURVEY AND VERBAL STATEMENTS
PROVIDED BY BENNO, INC. FIELD REPRESENTATIVE.

**ADDENDUM TO A.R.P., ITEM 4
REFUSE DISPOSAL IN THE #12 PIT
AMERICAN ENERGY CORPORATION**

SECTION: 3, 4

T.- 6 R.- 5

TWP.- WAYNE

COUNTY: BELMONT

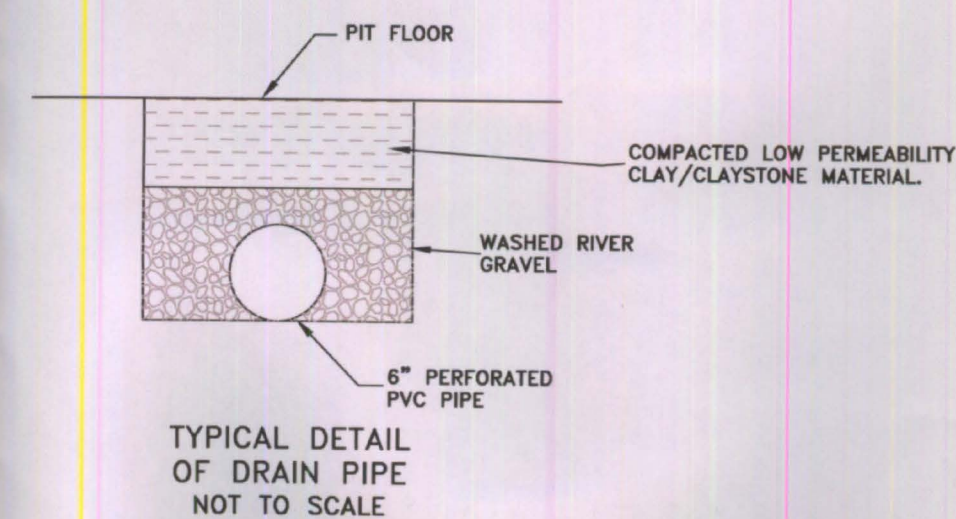
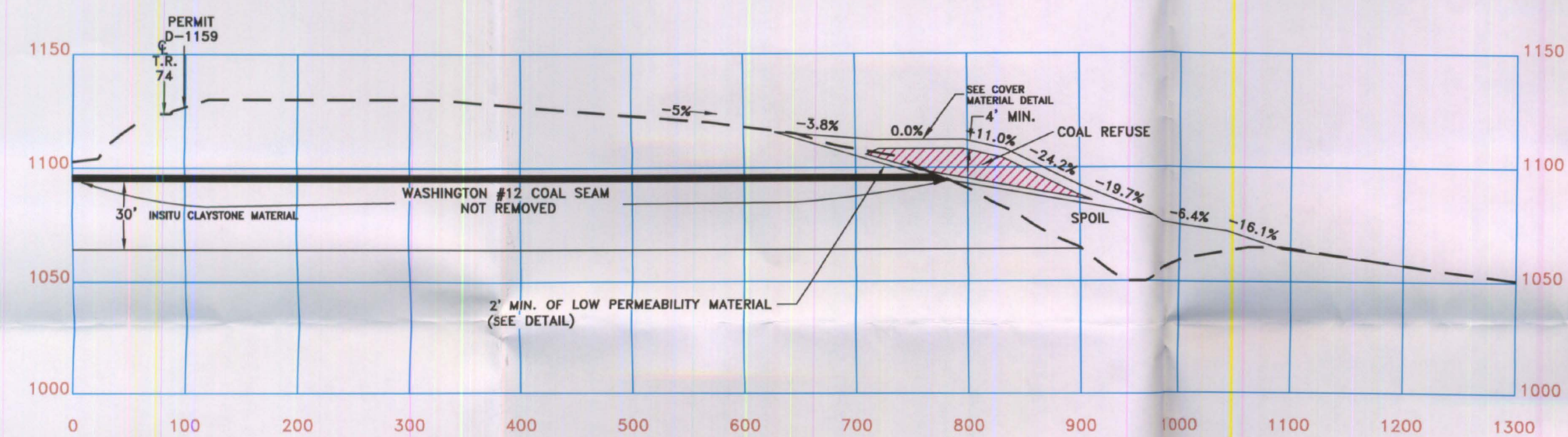
HORIZ. SCALE: 1" = 100'

VERT. SCALE: 1" = 50'

DATE PREPARED: JUNE 11, 2003


Hamilton
Associates, Inc.
Engineering, Surveying & GIS

342 High St., Box 471
Piquette, Ohio 43977
Ph: (740) 968-4947
Fax: (740) 968-4225
E-mail: hamilton@1st.net
www.hamiltonassociates.com



NOTE:
APPROXIMATE LOCATION AND CONFIGURATION OF COAL WASTE
IS BASED ON FIELD SURVEY AND VERBAL STATEMENTS
PROVIDED BY BENNOC, INC. FIELD REPRESENTATIVE.


BASED UP INFORMATION PROVIDED BY AMERICAN ENERGY CORPORATION AND BENNO, INC. REPRESENTATIVES, I, THE UNDERSIGNED, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE INFORMATION SHOWN ON THIS MAP IS TRUE AND CORRECT.


 REGISTERED ENGINEER

9.3-03
DATE

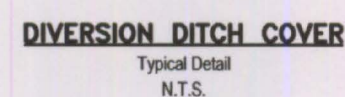
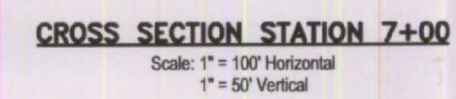
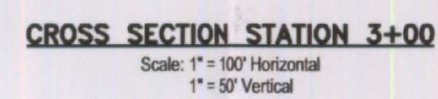


Addendum To A.R.P., Item 4 CROSS SECTIONS & DETAILS		
Applicant: AMERICAN ENERGY CORPORATION		
Refuse Disposal in the #12 Pit		
Township: WAYNE	County: BELMONT	
Section: 3, 4	Township/Range: T-6, R-5	
Date: 08/28/03	Date Revised:	Comm #02001-22



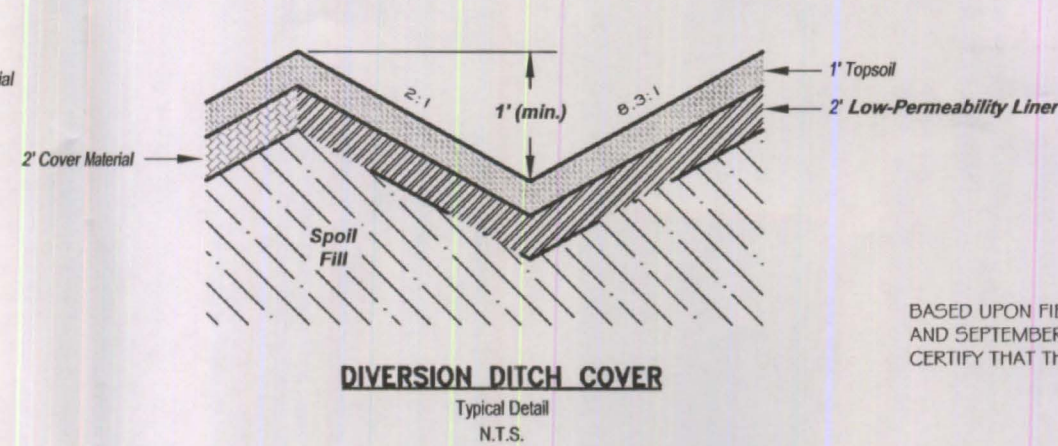
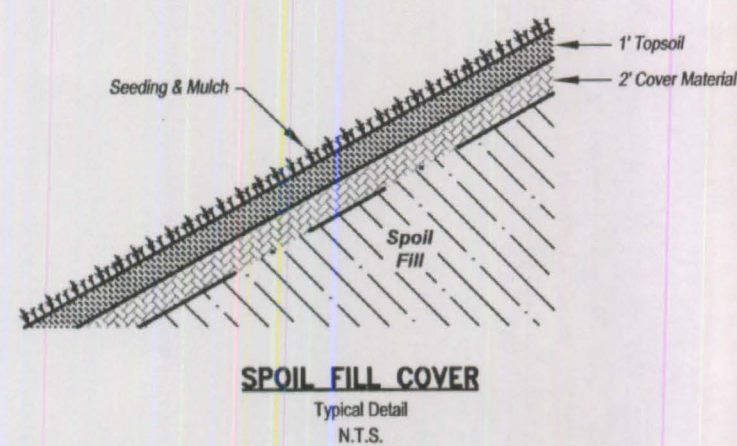
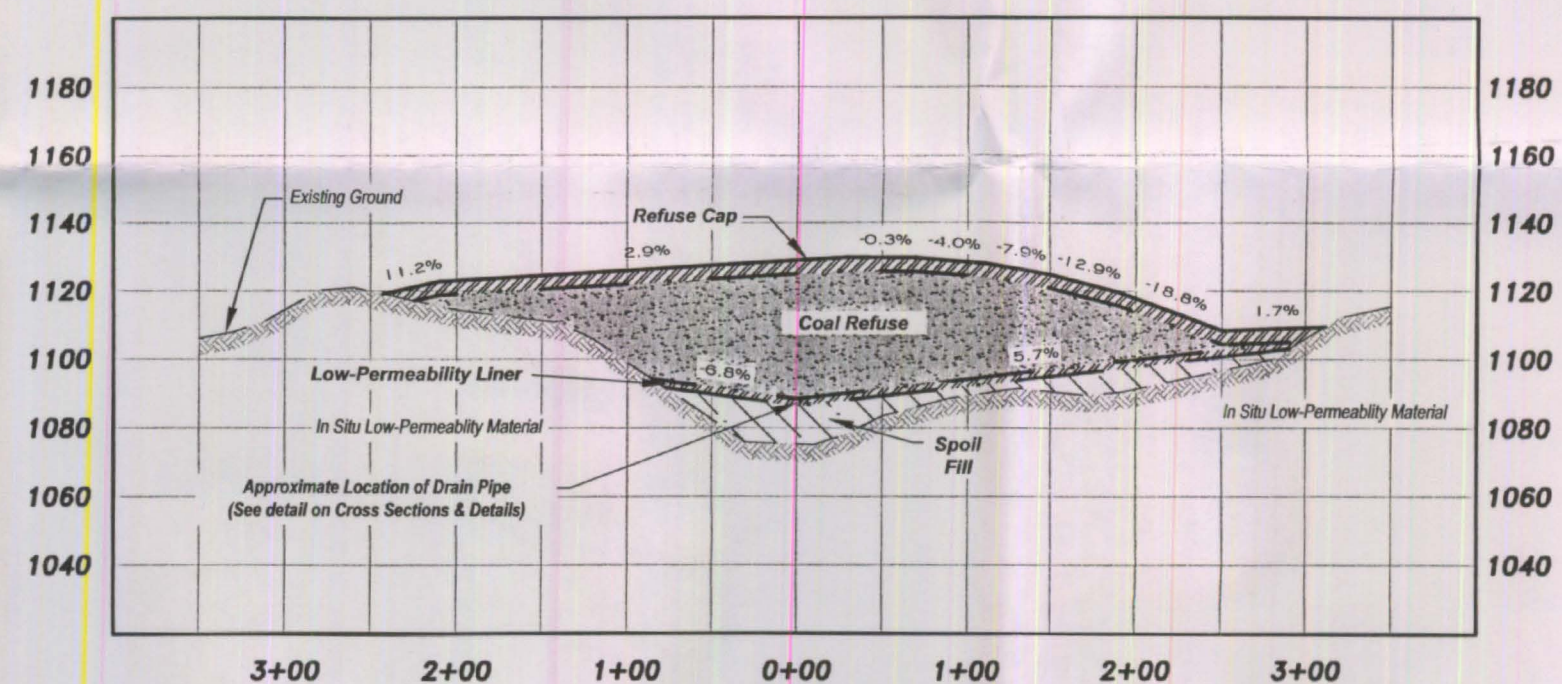
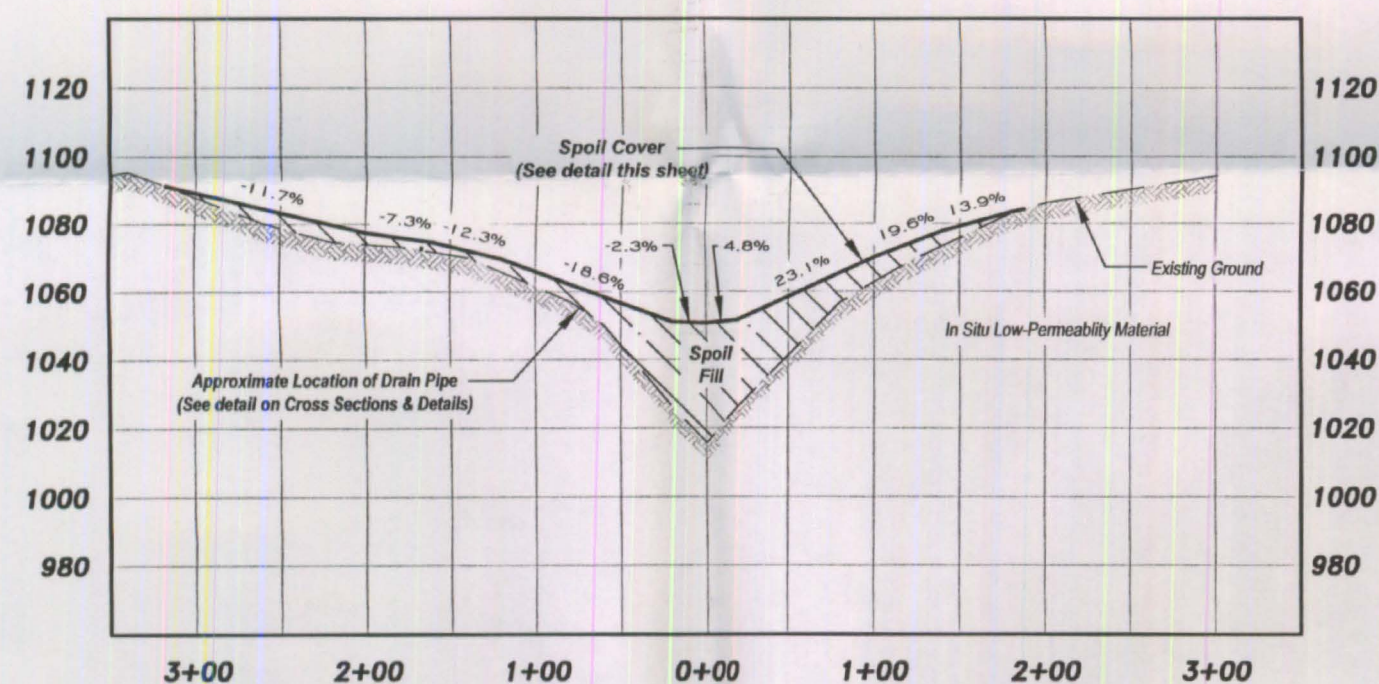
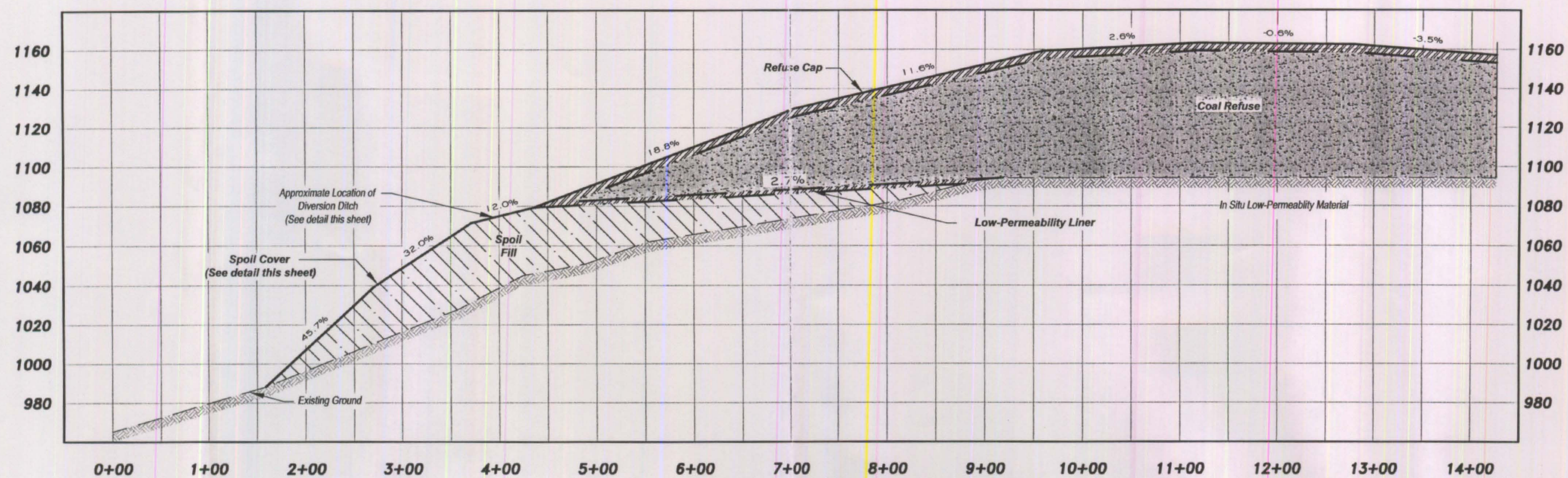
342 High St., Box 471
 Flushing, Ohio 43977
 Ph: (740) 968-4947
 Fax: (740) 968-4225
 e-mail: hamilton@t1st.net
www.hamiltonandassoc.com

AB_SEC_F.dwg



Donald M. Smith
REGISTERED ENGINEER

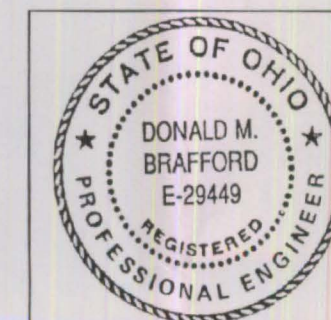
SBUILD1711.dwg



BASED UPON FIELD OBSERVATIONS MADE UNDER MY SUPERVISION ON AUGUST 6, 2003 AND SEPTEMBER 1, 2003 AND UPON INFORMATION PROVIDED BY THE MINE OPERATOR, I CERTIFY THAT THE VALLEY FILL HAS BEEN CONSTRUCTED AS SHOWN ON THIS DRAWING.

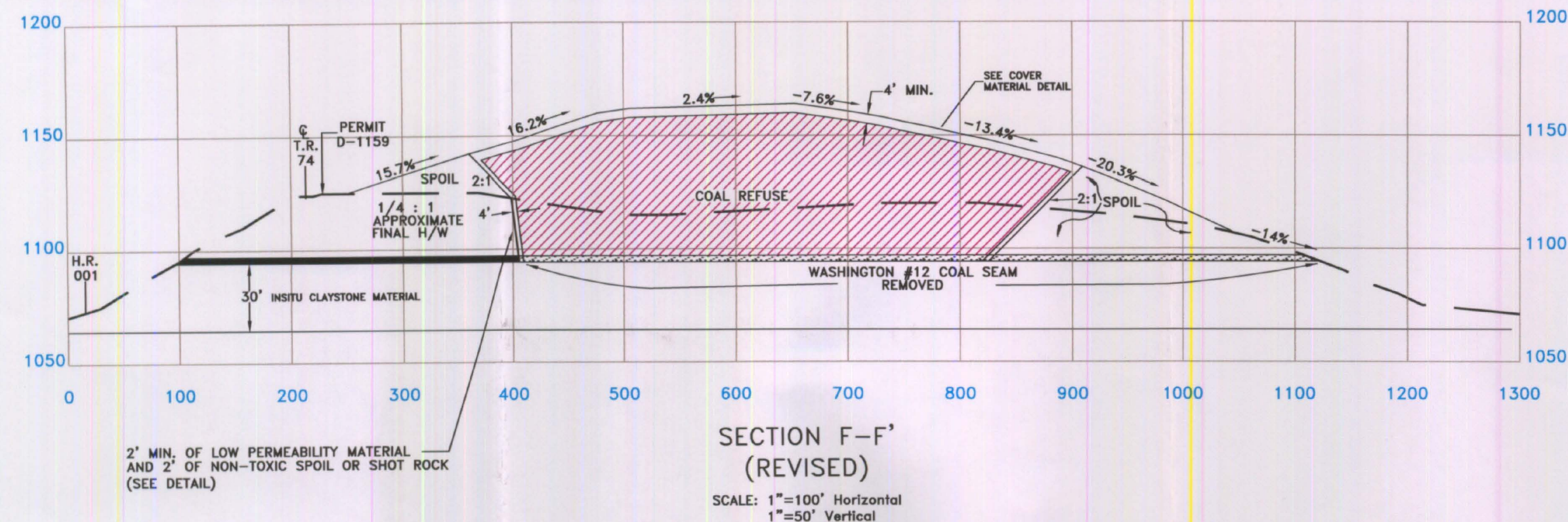
Donald M. Brafford
 REGISTERED ENGINEER

9-16-03
 DATE

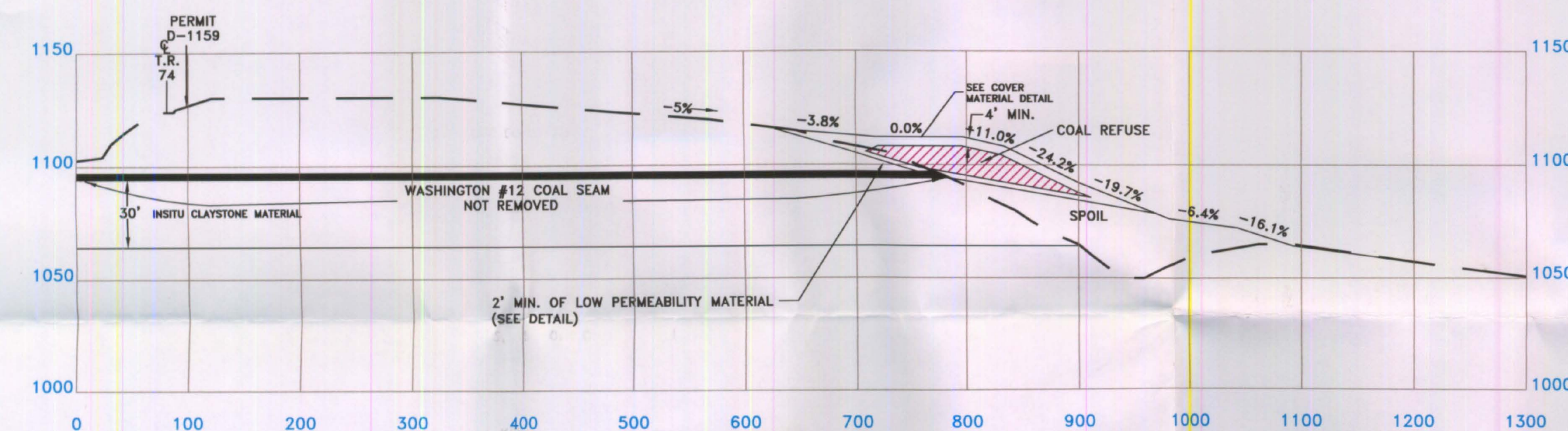
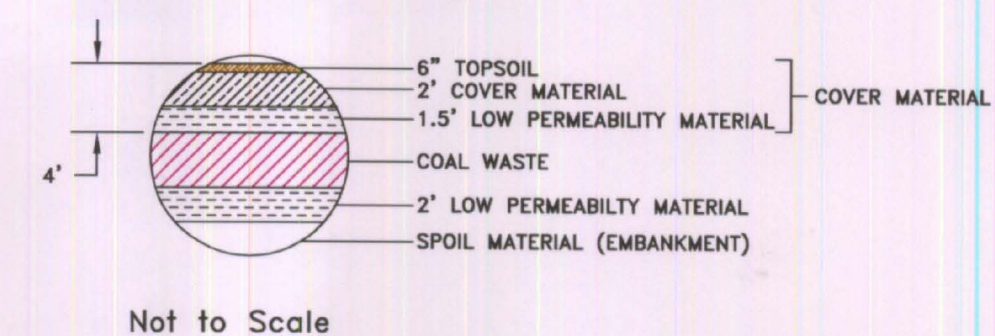


Addendum To A.R.P., Item 4 SPOIL FILL/COAL WASTE PROFILES & CROSS SECTIONS		
Applicant: AMERICAN ENERGY CORPORATION		
Refuse Disposal in the #12 Pit		
Township: WAYNE	County: BELMONT	
Section: 3, 4	Township/Range: T-6, R-5	
Date: 08/28/03	Date Revised:	Comm #02001-22
342 High St., Box 471 Flushing, Ohio 43977 Ph: (740) 968-4947 Fax: (740) 968-4225 e-mail: hamilton@1st.net www.hamiltonandassoc.com		

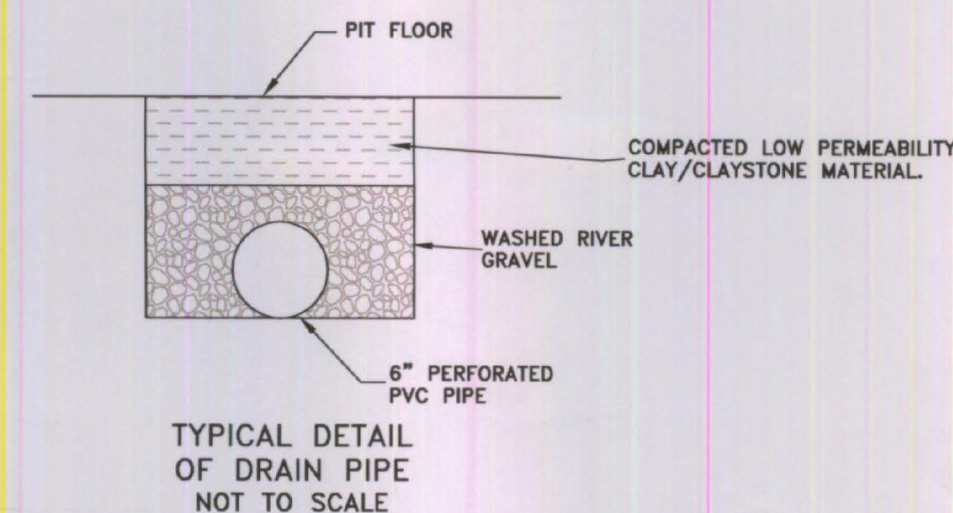
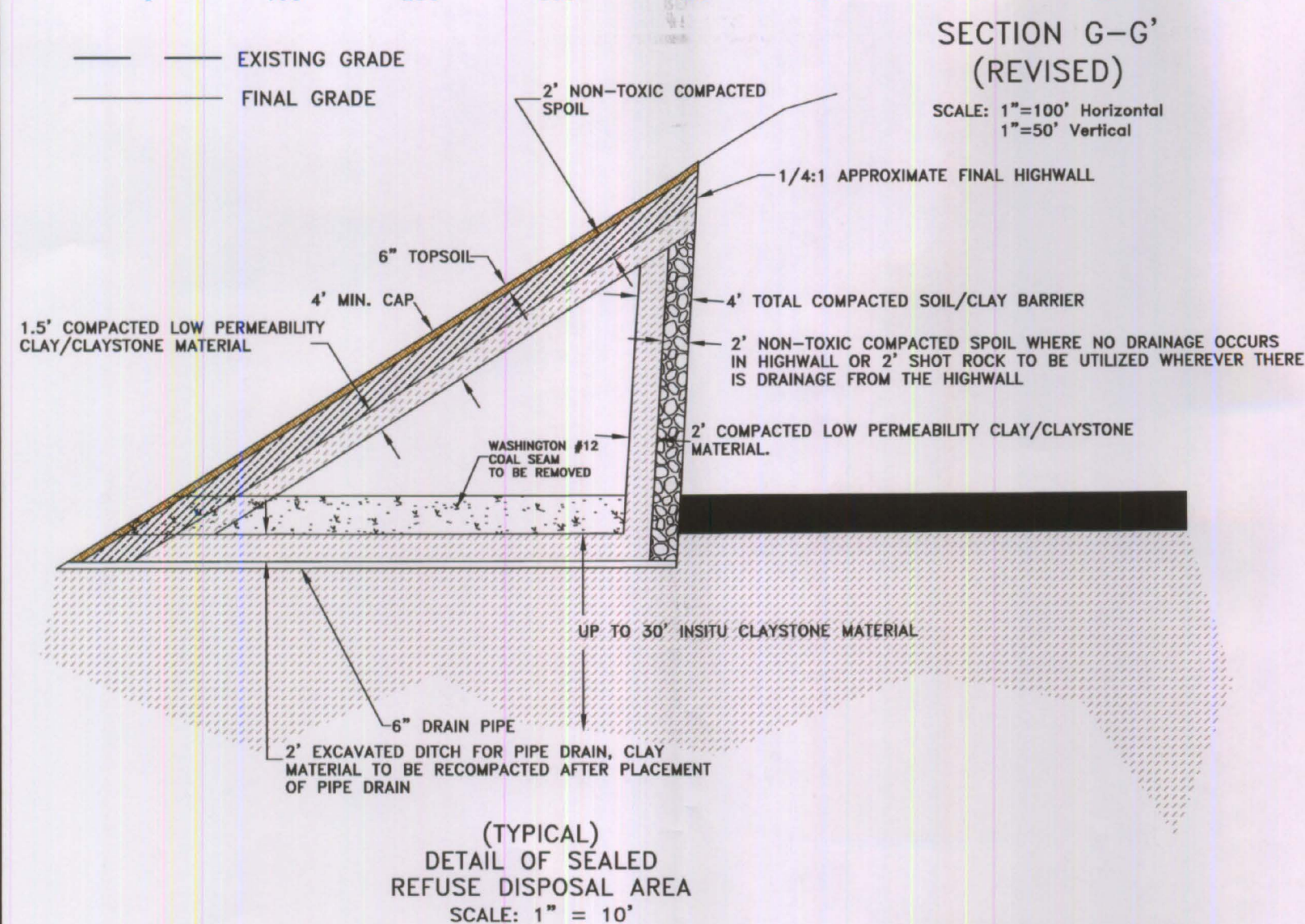
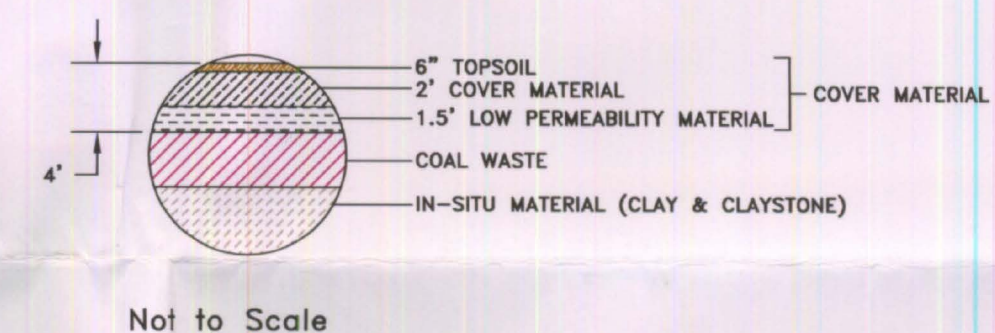




DETAIL OF MATERIAL PLACEMENT
(ABOVE SPOIL EMBANKMENT)



DETAIL OF MATERIAL PLACEMENT
(AREAS OTHER THAN EMBANKMENT)

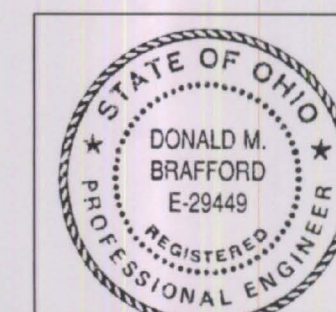


NOTE:
APPROXIMATE LOCATION AND CONFIGURATION OF COAL WASTE
IS BASED ON FIELD SURVEY AND VERBAL STATEMENTS
PROVIDED BY BENNO, INC. FIELD REPRESENTATIVE.

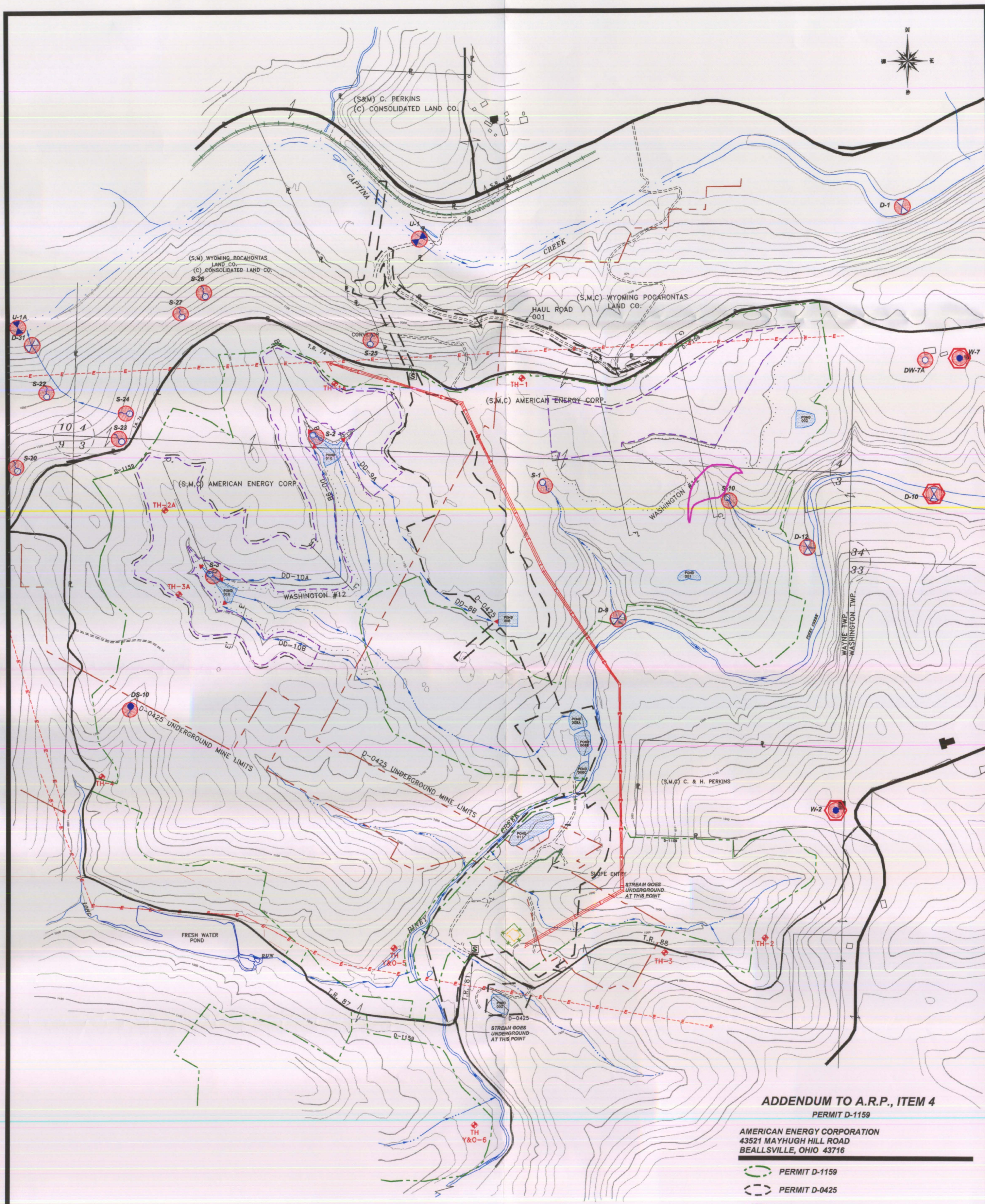
BASED UPON FIELD OBSERVATIONS MADE UNDER MY SUPERVISION ON AUGUST 6, 2003
AND SEPTEMBER 1, 2003, AND UPON INFORMATION PROVIDED BY THE MINE OPERATOR, I
CERTIFY THAT THE VALLEY FILL HAS BEEN CONSTRUCTED AS SHOWN ON THIS DRAWING.

Donald M. Brafford
REGISTERED ENGINEER

9-17-03
DATE



Addendum To A.R.P., Item 4			
CROSS SECTIONS & DETAILS			
Applicant: AMERICAN ENERGY CORPORATION			
Refuse Disposal in the #12 Pit			
Township: WAYNE		County: BELMONT	
Section: 3, 4		Township/Range: T-6, R-5	
Date: 08/28/03		Date Revised:	Comm #02001-22
			
342 High St., Box 471 Flushing, Ohio 43977 Ph: (740) 968-4947 Fax: (740) 968-4225 e-mail: hamilton@1st.net www.hamiltonandassoc.com			

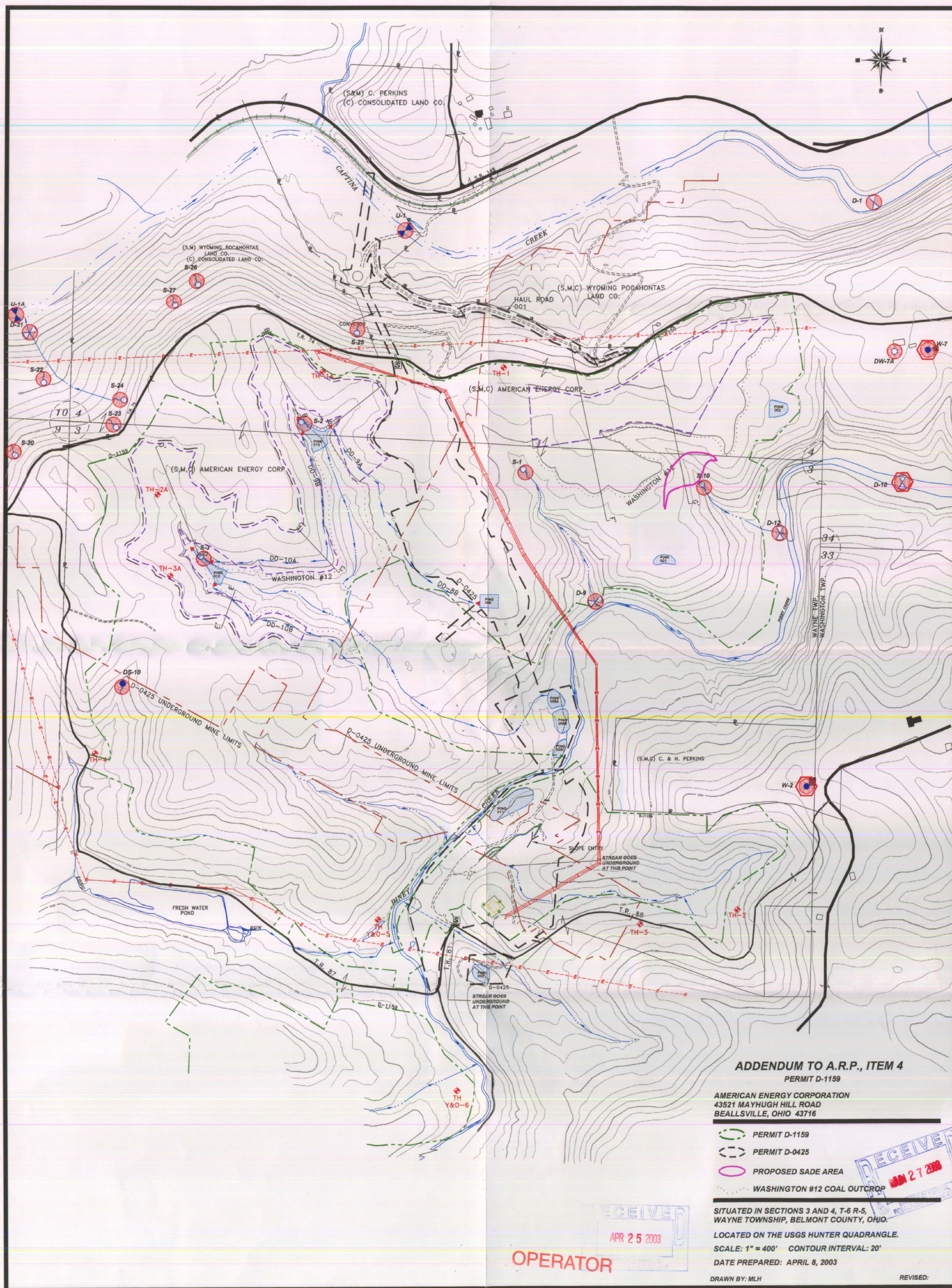


ADDENDUM TO A.R.P., ITEM 4
PERMIT D-1159

AMERICAN ENERGY CORPORATION
43521 MAYHUGH HILL ROAD
BEALLSVILLE, OHIO 43716

PERMIT D-1159
PERMIT D-0425
PROPOSED SADE AREA
WASHINGTON #12 COAL OUTCROP

SITUATED IN SECTIONS 3 AND 4, T-6 R-5,
WAYNE TOWNSHIP, BELMONT COUNTY, OHIO.
LOCATED ON THE USGS HUNTER QUADRANGLE.
SCALE: 1" = 400' CONTOUR INTERVAL: 20'
DATE PREPARED: APRIL 8, 2003
DRAWN BY: MLH
REVISED:



OPERATOR